Appendix 1: Cultural Resources

THE CITY OF NEW YORK LANDMARKS PRESERVATION COMMISSION
1 Centre Street, 9N, New York, NY 10007 (212) 669-7700 www.nyc.gov/landmarks

ENVIRONMENTAL REVIEW

NEW YORK POWER AUTHORITY/SEQRA-X 10/16/2009

Project number **Date received**

Project: 10-01 HAZEN STREET ; RIKERS ISLAND COGENERATION PLANT

Archeology review only.

Properties with no archaeological significance:

10-01 HAZEN STREET, BBL 2026050040

10/20/2009

SIGNATURE DATE

26157_FSO_DNP_10202009.doc

OFFICE OF PARKS · RECREATION · HISTORIC PRESERVATION
NEW YORK STATE

New York State Office of Parks, Recreation and Historic Preservation

Historic Preservation Field Services Bureau • Peebles Island, PO Box 189, Waterford, New York 12188-0189
518-237-8643
www.nysparks.com

David A. Paterson
Governor

Carol Ash
Commissioner

November 17, 2009

Robert F. Panepinto
New York Power Authority
123 Main Street
White Plains, New York 10601

Re: DEC,NYPA
Rikers Island Cogeneration Plant
Hazen Street/BRONX, Bronx County
09PR05840

Dear Mr. Panepinto:

Thank you for requesting the comments of the Field Services Bureau of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Field Services Bureau and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the OPRHP's opinion that your project will have No Impact upon cultural resources in or eligible for inclusion in the State and National Register of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont

Ruth L. Pierpont
Director

Appendix 2: Hazardous Materials

Rikers Island Cogeneration Plant Site

BRONX, NEW YORK

Phase I Environmental Site Assessment

AKRF Project Number: 11018

Prepared for:

DMJM Harris
20 Exchange Place
New York, NY 10005

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016
(212) 696-0670

JUNE 2008

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by DMJM Harris to perform an Environmental Site Assessment of the proposed Rikers Island Cogeneration Plant Site in the Bronx, New York. At the time of AKRF's site visit, an approximately three-acre portion of the project site was developed with the Rikers Island Central Power Plant, which is owned by the New York Power Authority (NYPA) and supplies electricity to the island. This portion of the project site is located on the northwestern corner of Rikers Island, a 415-acre island located between the South Bronx and Astoria, Queens. An approximately one-acre portion of the project site was developed with the associated electrical substation and was located on the southeastern corner of the island. The Island is accessible via a bridge located on Hazen Street in East Elmhurst, Queens, New York. Rikers Island is the location of the New York City Department of Corrections (DOC) operations and the site of a large prison complex that can house up to 17,000 prisoners.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage or usage of neighboring properties. This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. Any exceptions to, or deletions from, this practice are described in Sections 9.0 and 11.0 of this report.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. This assessment revealed evidence of the following Recognized Environmental Conditions in connection with the property:

- Spill No. 0109604 was issued for the Rikers Island Central Power Plan on September 10, 2001 due to contaminated soil observed on-site during removal of four No. 6 fuel oil underground storage tanks of approximately 45,000-gallon, 42,000-gallon, 39,000-gallon and 35,000-gallon capacities. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The spill was closed on March 10, 2003.
- AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall, steel, No. 6 fuel oil underground storage tanks at the Central Power Plant. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 1999. Tyree reported visible soil contamination and fuel oil floating in exposed groundwater in the excavation. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semi-volatile organic compounds (SVOCs), that exceeded New York State Department of Environmental Conservation (NYSDEC) STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandum (TAGM), HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The spill number given in the Tyree report was not listed in the NYSDEC Spills database reviewed for this Phase I ESA.
- Two additional closed spill numbers were cited for Rikers Island Power Plant. A February 15, 1989 300-gallon diesel spill (Spill No. 0202449) that originated from a punctured portable tank was closed on December 4, 1992. A June 6, 2002 20-gallon No. 2 fuel oil spill (Spill No. 0109604) that occurred in a basement was closed the same day.

- No. 2 fuel oil was stored in six on-site 40,000-gallon underground storage tanks located outside of the building, along the northern wall of the power plant, within a fenced area. Two 20,000-gallon diesel underground storage tanks were located outside along the eastern wall of the plant and were connected to two 100-gallon diesel day tanks located on the first floor.
- A 1,000-gallon waste oil aboveground storage tank aboveground storage tank, six portable, 1,000-gallon waste oil aboveground storage tanks and two 55-gallon waste oil drum storage areas were noted outside the building along the western wall of the plant. Heavy staining and evidence of spill cleanup was observed around the tanks and drums. According to Mr. Watt, Rikers Island Power House Senior Stationary Engineer, storm drains in the area of the power plant were connected to the municipal sewer system.
- A drum storage area, containing 55-gallons drums labeled anti-freeze and coolant, was located on the first floor at the southern end of the plant. Moderate staining was observed near the drums.
- Rikers Island Power Plant (subject property) was listed as a New York State Major Oil Storage Facility (MOSF) and a Petroleum Bulk Storage (PBS) facility on the regulatory database. Current on-site fuel oil storage was reported to consist of approximately 240,000 gallons of No. 2 fuel oil, 44,000 gallons of diesel and an unknown quantity of waste oil.
- Rikers Island is listed as Resource Conservation and Recovery Act Treatment, Storage and Disposal facility (RCRA TSDs) due to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000 gallons of sludge, 500 pounds of pesticides and 500 gallons of other organic chemicals. Sanitary landfilling also took place.
- Rikers Island was listed as a CERCLIS NFRAP (No Further Remedial Action Planned) site. No specific address for the listing was provided and no further information about the listing was given.
- According to Curtis Pierre, Rikers Island Central Power Plant Senior Stationary Engineer, the buildings on the power plant portion of the subject property were constructed around 1930, at which time many Asbestos-Containing Materials (ACMs) were utilized.
- Based on the age of the subject building, lead-based paint may be present. Painted surfaces of the subject buildings were observed to be in varying conditions ranging from good to poor.
- The on-site power plant buildings were illuminated by fluorescent lighting. Based on the age of the power plant buildings, suspect polychlorinated biphenyls (PCB)- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- Electrical equipment at the substation portion of the site may be PCB-and/or mercury-containing. No leaks or stains were noted around such equipment, which do not currently present a potential hazard to human health.
- A regulatory database search indicated that thirteen RCRA Generators/Transporters were reported within a ⅛-mile radius of the subject site. All of the sites were located on Rikers Island but could not be mapped due to lack of address information. Seven of the thirteen sites were New York City Department of Corrections (DOC) facilities and were listed as Large Quantity Generators with waste descriptions including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability and solid waste that exhibits the characteristic of corrosivity. The remaining sites were Consolidated Edison vaults listed for PCB-containing petroleum oil. Based

on the information provided in the database, reported and potential releases may have affected environmental conditions at the subject site.

Based on the results of this assessment, the following recommendations are noted:

- A subsurface (Phase II) investigation should be conducted to determine whether the historical uses of the project site and the surrounding properties have affected on-site environmental conditions. In particular, the scope of the investigation should test for potential soil and groundwater contamination from all on-site fuel oil and waste oil storage, electrical transformers, and materials used as fill to expand the extent of the island.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction). Areas containing suspected lead-based paint should be maintained in good condition.
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures and/or electrical equipment are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

TABLE OF CONTENTS

EXECUTIVE SUMMARY i
1.0 INTRODUCTION 1
2.0 PHYSICAL SITE DESCRIPTION 2
2.1 General Site Conditions 2
2.2 Topography and Hydrogeology 3
2.3 Storage Tanks 4
2.3.1 Underground Storage Tanks (USTs) 4
2.3.2 Aboveground Storage Tanks (ASTs) 5
2.4 Polychlorinated Biphenyls (PCBs) 5
2.5 Lead-Based Paint 6
2.6 Utilities 6
2.7 Waste Management and Chemical Handling 6
2.8 Radon 7
3.0 ASBESTOS-CONTAINING MATERIALS (ACM) 7
4.0 ADJACENT LAND USE 8
5.0 USER PROVIDED INFORMATION 8
5.1 Title Records 8
5.2 Environmental Liens or Activity and use limitations 8
5.3 Specialized knowledge 8
5.4 Commonly known or recently ascertainable information 8
5.5 Valuation Reduction for Environmental Issues 8
5.6 Owner, property manager, and occupant information 8
5.7 Reason for performing Phase I 8
6.0 SITE HISTORY AND RECORDS REVIEW 8
6.1 Prior Ownership and Usage 8
6.1.1 Historical Land Use Maps 8
6.1.2 Historical Aerial Photographs 8
6.1.3 Property Tax Files and Zoning Records 9
6.2 Regulatory Review 10
6.2.1 Federal 10
6.2.2 State 11
6.2.3 Local 16
6.2.4 Additional Environmental Record Sources 17
7.0 INTERVIEWS 17
7.1 Interview with owners, site managers and occupants 17
7.2 Interview with local government officials 17
8.0 PREVIOUS STUDIES 17
9.0 LIMITATIONS 18
10.0 DEVIATIONS 18
11.0 DATA GAPS 19
12.0 CONCLUSIONS AND RECOMMENDATIONS 20
13.0 SIGNATURE PAGE 23
14.0 QUALIFICATIONS 24
15.0 REFERENCES 25

TABLES

Table 1 - Petroleum Bulk Storage Facility Data – Underground Storage Tanks
Table 2 - Central Power Plant On-Site Bulk Storage Facility Registration Data
Table 3 - Area Petroleum Bulk Storage (PBS) Facility Data
Table 4 - Data Gaps Identified

FIGURES

Figure 1 - Project Site Location
Figure 2 - Site Plan Detail – Central Power Plant
Figure 3 - Site Plan Detail – Electrical Substation

APPENDICES

Appendix A - Photographic Documentation
Appendix B - Historical Aerial Photographs
Appendix C - Regulatory Records Review

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by DMJM Harris to perform a Phase I Environmental Site Assessment (ESA) of the proposed Rikers Island Cogeneration Plant Site in the Bronx, New York, as shown on Figure 1. At the time of AKRF's site visit, an approximately three-acre portion of the project site was developed with the Rikers Island Central Power Plant, which is owned by the New York Power Authority (NYPA) and supplies electricity to the island. This portion of the project site is located on the northwestern corner of Rikers Island, a 415-acre island located between the South Bronx and Astoria, Queens. An approximately one-acre portion of the project site was developed with the associated electrical substation and was located on the southeastern corner of the island. The island is accessible via a bridge located on Hazen Street in East Elmhurst, Queens, New York. Rikers Island is the location of the New York City Department of Corrections (DOC) operations and the site of a large prison complex that can house up to 17,000 prisoners.

The scope of services for this assessment included the following:

- Visual observations of the project site and surrounding property were made to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks, aboveground storage tanks, objects that could contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors. In addition, readily-observable portions of the properties immediately adjacent to the study site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.
- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- A review of radon concentrations in Bronx County was conducted to determine whether radon levels in the general area comply with United States Environmental Protection Agency (USEPA) guidelines.
- Historical land use atlases for the site and adjacent properties were reviewed to evaluate previous land use.
- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and the Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.
- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Environmental Restoration Program facilities; Voluntary Cleanup Program facilities; and Brownfield Cleanup Program (BCP) facilities.
- A review of available New York City Fire Department records and New York City Buildings Department records was conducted to obtain any information pertinent to the assessment of the

environmental condition of the subject property. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on April 1, 2008 by Brian Dortch of AKRF. Mr. Randy Solomon, Conservation Engineer for the New York Power Authority (NYPA), and Mr. Curtis Pierre and Mr. John Watt, Rikers Island Power House Senior Stationary Engineers for the New York City Department of Corrections (DOC), accompanied AKRF personnel through the site and answered pertinent questions. At the time of the inspection, the weather was cloudy and approximately 48 ºF and the visibility good. Some areas were illuminated by natural and/or artificial light; non-illuminated areas were accessed by flashlight. The site was inspected for the presence of stained surfaces and soil, stressed vegetation, storage tanks, drums, leaking pipes, transformers, and any other evidence of hazardous material usage and storage on-site. Site plans are provided as Figures 2 and 3. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

Rikers Island Central Power Plant

The Rikers Island Central Power Plant portion of the subject property was located on the northwestern portion of Rikers Island, a 415-acre island located between the South Bronx and Astoria, Queens. The power plant consisted of a three-acre site containing a two-story brick building with a footprint measuring approximately 20,700 square-feet. According to Mr. Pierre, the facility was constructed in the 1930s with various additions constructed between the 1930s and the 1970s.

A partial basement on the north side of the plant contained fuel oil pumps and feed lines. A partial basement on the south side contained steam and water distribution lines. Floor drains were observed in the basements that, according to Mr. Watt, were connected to the municipal sewer system. No significant staining was noted near the floor drains. The basements and first floor rooms were constructed with concrete floors and walls. The plant utilized high-pressure boilers to supply steam to facilities on the island for heat, hot water, laundry and cooking. Boiler fanning units, condensate pumps and condensate tanks were located on the first floor. Floor drains were observed throughout the first floor. No significant staining was noted near the floor drains. De-aerating feed-water tanks and dual-fired boilers were located on the second floor. A second floor mezzanine comprised offices and locker rooms, which contained suspect asbestos containing floor tile and acoustical ceiling tile. Piping with suspect asbestos insulation was observed throughout the facility. A steel stairwell provided access to all floors of the building.

The plant's dual-fired boilers primarily used gas supplied by KeySpan with No. 2 fuel oil as a secondary source. The No. 2 fuel oil was stored in six 40,000-gallon underground storage tanks located on the exterior northern side of the power plant. The tanks were located within a fenced area and were labeled with their size and contents. The fill ports were observed directly above the tanks and vent lines were observed outside the fenced area.

A drum storage area, containing five 55-gallons drums of anti-freeze and coolant, was located on the first floor at the southern end of the facility. Staining was observed on the floor around the 55-gallon antifreeze drums. A battery storage area was observed on the first floor near a maintenance shop; no staining was observed. Two 20,000-gallon diesel underground storage tanks were located outside on the northwest side of the power plant, which were connected to two

100-gallon day tanks and emergency generators on the first floor of the building. The fill ports and vent lines were located along the exterior wall of the building.

An active 4,000-gallon diesel above ground storage tank and two, closed-in-.place, 20,000-gallon diesel underground storage tanks, were observed outside along the eastern wall of the power plant. Two drum storage areas were observed outside along the western side of the power plant, containing approximately forty 55-gallon waste oil drums and six 1,000-gallon waste oil above ground storage tanks. Heavy staining and evidence of spill cleanup was observed in these areas. According to Mr. Watt, storm drains observed near the drum storage areas connected to the municipal sewer system. Four groundwater monitoring wells were observed north or the power plant building near the underground storage tank locations. Asphalt-paved parking areas and landscaped areas surrounded both buildings on the subject site. No stressed vegetation was observed in the landscaped areas.

Electrical Substation

The electrical substation portion of the subject property was located on the southeastern portion of Rikers Island, west of Hazen Street, and comprised: four transformers and three electrical equipment units on the eastern portion of the site; and an unpaved, vegetated area on the western portion. The substation was enclosed with a chain-link fence and contains four Consolidated Edison (Con Ed) transformers enclosed in concrete blast walls. An unlabeled, empty 55-gallon drum was noted on the unpaved portion along the substation fencing; no staining or evidence of a release was noted. A storm drain was located in the central portion of the unpaved area; no staining or other indication of a release was noted around the storm drain. It was not known by on-site personnel whether this storm drain was connected to the municipal sewer system; the storm drain could be a drywell. No stressed vegetation was observed in the unpaved, vegetated area.

2.2 Topography and Hydrogeology

The surface topography slopes down to the north. Based on reports compiled by the U.S. Geological Survey (Central Park, NY Quadrangle), the property lies at an elevation of approximately 20 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

Based on groundwater monitoring and sampling reports prepared for the Central Power Plant portion of the subject property by GZA GeoEnvironmental of New York between July 2002 and July 2004, bedrock at the site is approximately 70 feet below grade and groundwater is approximately 10 to 15 feet below grade. Based on the topography, groundwater at the power plant most likely flows in a northwesterly direction toward the East River, located approximately 100 feet from subject site; groundwater at the substation property most likely flows in a southerly direction towards the Rikers Island Channel, located approximately 100 feet to the south. However, based on the topography and geomorphology of Rikers Island, actual groundwater depth and flow direction are likely highly variable and can be affected by many factors including past filling activities, tidal cycles, and underground utilities and other subsurface openings or obstructions such as basements, subway tunnels, underground parking garages, and other factors beyond the scope of this study.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

Details of on-site underground storage tanks at the Central Power Plant are provided in Table 1.

Table 1
Petroleum Bulk Storage Facility Data - Underground Storage Tanks
Central Power Plant

Tank Capacity (Gallons)	Product Stored	Purpose	Status
Six 55,000-gallons USTs	No. 6 fuel oil	Boilers	Closed-removed
45,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
42,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
39,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
35,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
Two 20,000-gallon USTs	Diesel	Emergency generators	Closed-in-place
Two 10,000-gallon USTs	Diesel	Emergency generators	Closed-in-place
Six 40,000-gallon USTs	No. 2 fuel oil	Boilers	Active
Two 20,000-gallon USTs	Diesel	Emergency generators	Active

Note: UST = Underground Storage Tanks

According to Mr. Pierre, fuel oil tank upgrades for the Rikers Island Central Power Plant that included tank replacements were performed at the subject property from 1999 to 2002 to accommodate the switch from No. 6 fuel oil to No. 2 fuel oil. On-site fuel oil storage prior to the upgrades consisted of No. 6 fuel oil stored in six single-walled, steel 55,000-gallon underground storage tanks and in four single-wall, steel, underground storage tanks that measured approximately 45,000-gallons, 42,000-gallons, 39,000-gallons and 35,000-gallons in capacity. Additionally, two 20,000-gallon and two 10,000-gallon diesel underground storage tanks were utilized prior to the upgrades. The diesel underground storage tanks were closed-in-place during the tank upgrades and the former tank pad and decommissioned fill ports of the 20,000-gallon diesel underground storage tanks were observed outside, on the eastern side of the plant, during the site visit. No visible evidence of the closed-in-place 10,000-gallon diesel tanks was observed during the site visit. Two tank closure reports and one tank upgrade report for these tanks were provided to AKRF and are summarized in Section 8.0.

The Rikers Island Power Plant currently utilizes high-pressure dual-fired boilers to supply steam to facilities on the island for heat, hot water, laundry and cooking. The boilers are primarily fueled by natural gas, but use No. 2 fuel oil as a secondary source supplied by six 40,000-gallon underground storage tanks located outside along the northern wall of the power plant. These tanks replaced all of the previously mentioned No. 6 fuel oil tanks.

Two active 20,000-gallon diesel underground storage tanks, located outside along the eastern wall of the power plant supplied emergency generators via two 100-gallon diesel day tanks located on the first floor of the power plant. These 20,000-gallon underground

storage tanks replaced the four diesel underground storage tanks and four No. 6 fuel oil underground storage tanks of various sizes.

A review of the State regulatory records cited the Rikers Island Power Plant (subject property) as a New York State Major Oil Storage Facility (MOSF) and as a Petroleum Bulk Storage (PBS) facility. All of the in-service and closed-removed underground storage tanks previously mentioned were listed in the MOSF database. The in-service and closed-in-place underground storage tanks were also listed in the PBS database.

New York City Fire Department records did not list any past or present motor vehicle fuel or heating oil tanks for the subject property. A review of Manhattan Buildings Department Block and Lot files did not locate any documents relating to underground storage tanks on the subject property.

No other evidence of underground storage tanks (i.e., fill port, manways, etc.) was observed at the Rikers Island Central Power Plant. No evidence of underground storage tanks was observed at the electrical substation portion of the subject property. Off-site aboveground storage tanks are discussed in Section 6.0. Spills associated with the on-site tanks are summarized in Section 6.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

Two 100-gallon diesel day tanks were located on the first floor of the facility that fueled the emergency generators. The tanks had secondary containment, tank gauges and appeared to be in good condition. No staining was noted near the tanks.

A 4,000-gallon diesel aboveground storage tank was located outside the plant along the eastern wall and appeared to be in good condition. The tank had secondary containment and tank gauges. No staining was noted near the tank.

A 1,000-gallon waste oil aboveground storage tank was observed outside along the western wall of the plant. The tank had secondary containment and tank gauges. Heavy staining and evidence of spill cleanup was observed around the tank. According to Mr. Watt, storm drains observed near the tank connected to the municipal sewer system.

Six portable, 1,000-gallon waste oil aboveground storage tanks were observed outside along the western wall of the plant. Staining was observed beneath the tanks, which appeared to be in poor condition.

No aboveground storage tanks were listed in the New York State Major Oil Storage Facility (MOSF) or Petroleum Bulk Storage (PBS) databases for this site. New York City Fire Department records did not list any past or present motor vehicle fuel or heating oil tanks for the subject property and a review of Manhattan Buildings Department Block and Lot files did not locate any documents relating to aboveground storage tanks on the subject property.

No evidence of aboveground storage tanks was observed at the electrical substation portion of the subject property. Off-site aboveground storage tanks are discussed in Section 6.0. Spills associated with these tanks are summarized in Section 6.2.2.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches and voltage regulators. The substation contained four Consolidated Edison transformers enclosed with concrete blast walls.

No leaks or stains were noted around the transformers. Depending upon the age of the electrical equipment at the substation portion of the site, PCB-containing equipment may be present.

Based on the age of the power plant building, fluorescent lights and equipment in electrical panels in the subject buildings may include PCB-containing parts. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.

Unless there is labeling or test data which indicates that the above equipment does not contain PCBs, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

2.5 Lead-Based Paint

The use of lead-based paint in New York City residential buildings was banned in 1960. Nationally, its residential use was banned by the Consumer Products Safety Commission in 1977. The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e. chipped, broken, crumbling, pulverized); lead is potentially harmful to humans, particularly children, if ingested, inhaled or otherwise absorbed.

According to Mr. Curtis Pierre, Rikers Island Power House Senior Stationary Engineer, the buildings on the subject property were constructed around 1930, therefore lead-based paint may be present. Painted surfaces of the subject buildings were in varying conditions ranging from good to poor. Based on the aerial photographs, the electrical substation was constructed between 1984 and 1996; therefore, no lead-based paint is suspected. Any demolition or renovation activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—Lead Exposure in Construction).

2.6 Utilities

The New York Power Authority provides electricity to the study site and surrounding area via Consolidated Edison (Con Ed) electrical lines connected to the electrical substation on the subject property. The study site was connected to New York City municipal water and sewer systems. Gas was supplied to subject site by KeySpan via Con Ed pipes.

Floor drains were observed on the first floor of the power plant that, according to Mr. Watt, are connected to the sewer system. No significant staining was noted near the floor drain structures. Two outside drum storage areas were observed along the western side of the power plant. Extensive staining was observed in these areas. According to Mr. Watt, storm drains observed near the drum storage areas connected to the municipal sewer system.

A storm drain was located in the central portion of the unpaved area; no staining or other indication of a release was noted around the storm drain. It was not known by on-site personnel whether this storm drain was connected to the municipal sewer system; the storm drain could be a drywell.

2.7 Waste Management and Chemical Handling

General refuse were observed being generated at the Central Power Plant portion of the subject property. These wastes were placed into garbage receptacles throughout the subject building and were collected by the New York City Department of Sanitation.

Waste oil is generated at the power plant and was stored in 55-gallon drums and aboveground storage tanks of varying sizes outside of the building along the western wall of the facility.

According to Mr. Pierre, the waste oil is collected and disposed of by private contractors. An interior drum storage area, containing several 55-gallons drums of anti-freeze and coolant, was located on the first floor at the south end of the facility. Moderate staining was observed near the 55-gallon anti-freeze drums.

No waste generation or chemical handling was observed at the substation portion of the subject property.

2.8 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products that include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health (NYSDOH), the Bronx has an average basement radon measurement of 1.7 picocuries/liter. The USEPA recommended action level is 4.0 picocuries/liter.

3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite and anthophyllite. Asbestos is commonly found as a component of building materials including: Thermal System Insulation (TSI), spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be Asbestos-Containing Materials (ACMs). ACMs are classified as friable or non-friable. Friable ACMs are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACMs, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing potentially hazardous fibers than non-friable ACMs, such as vinyl floor tiles and built-up roofing materials.

According to Mr. Curtis Pierre, Rikers Island Central Power Plant Senior Stationary Engineer, the buildings on the subject property were constructed around 1930, at which time many ACMs were utilized. Suspect ACMs observed during the site visit included floor tiles and associated mastic, suspended acoustical ceiling tiles and pipe insulation. Additional suspect ACMs may be present above ceilings and behind walls, floor tiles, or in other hidden locations. Historic Aerial photographs, discussed in Section 6.1.2, the substation was constructed between 1984 and 1996. Based on the age of the electrical substation, no ACMs are suspected.

Sampling and analysis of all suspect ACMs should be performed prior to any disturbance. The ACMs should be removed by a licensed asbestos abatement contractor prior to building demolition or renovation.

4.0 ADJACENT LAND USE

The Central Power Plant portion of the subject property was bound to the north by the East River and to the south, west and east by various DOC facilities. The electrical substation portion of the property was bound to the north by roadways and DOC facilities, and to the south, east and west by parking lots.

5.0 USER PROVIDED INFORMATION

5.1 Title Records

No information supplied by user.

5.2 Environmental Liens or Activity and use limitations

No information supplied by user.

5.3 Specialized knowledge

No information supplied by user.

5.4 Commonly known or recently ascertainable information

No information supplied by user.

5.5 Valuation Reduction for Environmental Issues

No information was obtained regarding any valuation reduction due to environmental issues.

5.6 Owner, property manager, and occupant information

The City of New York is the property owner and the New York City Department of Corrections (DOC) is the property manager of the subject site.

5.7 Reason for performing Phase I

The property is being evaluated for redevelopment. The New York Power Authority (NYPA) proposes the construction of a new cogeneration plant in the northwestern corner of Rikers Island. The proposed project would be located at the existing control power plant property on Rikers Island.

6.0 SITE HISTORY AND RECORDS REVIEW

6.1 Prior Ownership and Usage

6.1.1 Historical Land Use Maps

Historical insurance maps are typically reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. However, no Sanborn map coverage was available for the subject property. Historical aerial photographs were reviewed for the project site, which are discussed in the following section.

6.1.2 Historical Aerial Photographs

Aerial photographs were reviewed for information pertinent to the environmental condition of the property. Specifically, aerial photographs from 1955, 1966, 1978, 1984

and 1996 were reviewed. Copies of the photographs are included in Appendix B. Details from these photographs are as follows:

1955

The current Rikers Island Power House appeared to have been developed. The west-adjacent storage building was present and inmate housing structures were located to the southeast. Landscaped parkland was located east-adjacent to the power plant. The electrical substation did not appear to be developed. The remainder of the island was undeveloped.

1966

No significant changes were noted at the power plant. Additional inmate housing structures and athletic fields were noted south of the power plant. An access bridge connected the southern side of the island to Queens, NY. The electrical substation did not appear to be developed; the site was vacant. A parking lot is shown to the south and west of the electrical substation portion of the subject property. The remainder of the island was undeveloped.

1978

No other significant changes were noted for the power plant, the electrical substation portion of the subject site, or surrounding area.

1984

One south-adjacent building to the power plant appeared to have been demolished. No other significant changes were noted for the power plant, the electrical substation portion of the subject site or surrounding area.

1996

The building south-adjacent to the power plant that appeared to be demolished on the 1984 photograph was replaced with another structure. Additional inmate housing structures were noted south of the power plant. The electrical substation appeared to be developed on the 1996 photograph. No other significant changes were noted for the subject site or surrounding area.

In summary, the subject property was developed prior to 1955. The electrical substation appeared to be developed between 1984 and 1996. Surrounding properties changed from primarily undeveloped land to additional inmate housing structures.

6.1.3 Property Tax Files and Zoning Records

The tax parcel comprising the subject site is zoned M3-2, a heavy industrial district that permits industrial activities that generate high levels of noise, traffic, and pollutants. No certificates of occupancy were available for the subject property.

6.1.4 Building Department Record

Records maintained by the New York City Fire and Buildings Departments were investigated to determine the potential presence of hazardous materials and are discussed under Section 6.2.3.

No information for the subject site was provided by the New York City Buildings Department on-line Buildings Information System.

6.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the USEPA and New York State Department of Environmental Conservation (NYSDEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous material and chemicals, or releases of such materials which may impact the project site. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

6.2.1 Federal

The federal records reviewed included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the project sites.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

Rikers Island was listed in the CERCLIS NFRAP (No Further Remedial Action Planned) database as an unmappable site. No specific address for the listing and no further information about the listing were given. No other CERCLIS listings were identified within a ½-mile radius of the project site.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The power plant and electrical substation portions of the subject property were not listed as ERNS sites.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the USEPA and/or NYSDEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

No TRIS sites were identified within a ⅛-mile radius of the subject property.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This federal- and state-maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

Two WWD facilities were reported within a ⅛-mile radius of the power plant portion of the subject property and were both identified as "Rikers Island." No specific addresses and no additional information were provided in the listings. Depending upon its location, there is a potential for releases from these unmappable sites to have affected environmental conditions of the subject property. Details of all WWD facilities are included in Appendix C.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the USEPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within a ⅛-mile radius of the subject property.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the US EPA AIRS Database includes address information on each facility and the source of its associated air emissions.

The Rikers Island Power Plant (subject property) was listed as an Air Discharge Facility in violation of emissions thresholds of nitrogen dioxide and procedural compliance.

Two other Air Discharge Facilities were identified within a ⅛-mile radius of the power plant portion of the study site, but were not mapped due to lack of address information. One of the sites was indentified as FAA-VOR/La Guardia. The other site, indentified as NYCDOC, was listed to carbon monoxide emissions. No additional information was provided in the listings.

Details of all air discharge facilities are included in Appendix C.

6.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF);

Environmental Restoration Program; Voluntary Cleanup Program; and Brownfield Cleanup Program (BCP).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes those that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

Three closed spills were listed for the Rikers Island Power Plant (subject property):

- Spill No. 8808953 was opened on February 15, 1989, due to a 300-gallon diesel spill that originated from a punctured portable tank. According to the report, clean up ceased on December 4, 1992 and the spill was closed. No other information was provided in the database listing.
- Spill No. 0202449 was opened on June 6, 2002 due to a 20-gallon No. 2 fuel oil spill that occurred in a basement. According to the database listing, no floor drains were affected and the floor had no cracks or escape routes. The spill was cleaned up and the spill number was closed the same day.
- Spill No. 0109604 was opened on September 10, 2001 due to contaminated soil observed during No. 6 fuel oil underground storage tank removals. The spill was closed on March 10, 2003. No other information was provided in the database listing.

One hundred and forty four additional spills were reported within a ½-mile radius of the subject sites. Sixty six of these sites have had their spill numbers closed by the NYSDEC and are documented as "cleanup meets standard," indicating that the NYSDEC does not consider these sites to be continued threats to human health or the environment. Eleven sites within the search radius were listed with active spills, three of which could not be mapped due to lack of address information.

Based on the number of reported spills and the information provided in the database, the subject property may have been affected by these releases. Details of all listed spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYSDEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

Rikers Island is listed as RCRA TSD facility due to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000 gallons of sludge, 500 pounds of pesticides and 500 gallons of other organic chemicals.

Sanitary landfilling also took place. These materials may have affected environmental conditions at the subject site.

No other RCRA TSD facilities were identified within a ½-mile radius of the subject site. No CORRACTS facilities were identified within a 1-mile radius of the subject site.

Thirteen RCRA Generators/Transporters were reported within a ⅛-mile radius of the power plant portion of the subject site. All of the sites were listed as being located on Rikers Island, but could not be mapped due to lack of address information. Seven of the thirteen sites were NYCDOC facilities and were listed as Large Quantity Generators with wastes including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability, and solid waste that exhibits the characteristic of corrosivity. The remaining sites were Con Ed vaults listed for PCB-containing petroleum oil. Depending upon their locations, potential releases from these facilities may have affected environmental conditions at the subject site.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No CBS facilities were listed within a ⅛-mile radius of the subject property.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

No Solid Waste Facilities were identified within a ½-mile radius of the study site.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons. The Rikers Island Power Plant (subject property) was listed as a Petroleum Bulk Storage Facility (Facility ID: 2-607229). Details of on-site tanks at the power plant are listed in Table 2.

Table 2
Central Power Plant On-Site Bulk Storage Facility Registration Data

Capacity (gallons)	Product Stored	Install Date	Status
Six 55,000-gallons USTs	No. 6 fuel oil	NA	Closed-removed 9/29/1999
45,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
42,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
39,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
35,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
Two 20,000-gallon USTs	Diesel	NA	Closed-in-place 11/1/2001
Two 10,000-gallon USTs	Diesel	NA	Closed-in-place 11/1/2001
Six 40,000-gallon USTs	No. 2 fuel oil	8/1/1999	Active
Two (2) 20,000-gallon USTs	Diesel	11/1/2001	Active
4,000-gallon AST	Diesel	NA	Active
1,000-gallon AST	Waste oil	NA	Active

Notes: UST = underground storage tank
AST = aboveground storage tank
NA = Not available

Tanks at the power plant listed as closed-in-place included two 20,000-gallon and two 10,000-gallon diesel underground storage tanks. Tanks listed as in-service included six No. 2 fuel oil 40,000-gallon underground storage tanks and two 20,000-gallon diesel underground storage tanks. It should be noted that the six No. 6 fuel oil 55,000-gallon underground storage tanks and four No. 6 fuel oil underground storage tanks that measured approximately 45,000-gallons, 42,000-gallons, 39,000-gallons and 35,000-gallons capacities that were closed and removed, were not listed in the database. Additionally, the in-service 4,000-gallon diesel aboveground storage tank and the in-service 1,000-gallon waste oil aboveground storage tank observed by AKRF during the site visit were not listed.

Spill No. 0109604 was issued to the subject property on September 10, 2001 for contaminated soil observed during No. 6 fuel oil underground storage tank removals. Details of the spill were provided in the *New York SPILLS Database* section.

Six additional PBS sites were identified within a ⅛-mile radius of the power plant. Five of the six PBS sites were affiliated with the Rikers Island Correctional Facility, but could not be mapped due to lack of address information. Details of these facilities are listed in Table 3.

Table 3
Area Petroleum Bulk Storage Facility Data

Facility ID	Capacity (gallons)	Product Stored	Install Date	Status
Otis Bantum Corp.	20,000 UST 10,000 AST 25,000 UST x 2	No. 2 Fuel Oil	12/1/1986 12/1/1987 04/1/1993	Closed 7/2006 In Service In Service
AIDS Modular Building, R. I.	8,000 UST	Diesel	NA	Closed 1/1999
NYC Correctional Institution	2,200 AST 5,000 AST x 2	No. 2 Fuel Oil	12/1/1964 12/1/1990	In Service In Service
Rikers Island Bakery	8,000 AST 55 UST	No. 2 Fuel Oil	NA 12/1/1965	In Service Closed 2/1/1999
Rikers Island Auto Service	1,000 AST x 2 1,500 UST x 2 3,000 UST 2,000 UST 4,000 UST 4,000 UST 4,000 UST 4,000 UST	Lube Oil Gasoline Diesel Other Diesel Gasoline Diesel Gasoline	9/1/1990 12/1/1987 12/1/1983 1/1/2006 12/1/1987 12/1/1987 NA NA	In Service Closed 11/1/2005 Closed 11/1/2005 In Service In Service In Service Closed 1/1/2006 NA
Telecommunication Building	10,000 UST	No. 2 Fuel Oil	12/1/1990	Closed 2/1/2001

Notes: UST = underground storage tank
AST = aboveground storage tank
NA = Not available

The Rikers Island Auto Service shop was listed in the NY SPILLS database with active spill number 9409348. The spill may have affected the subject site based on distance and information provided in the database. No other PBS sites were identified within a ⅛-mile radius of the subject site.

The electric substation was not listed as a PBS facility. No PBS facilities were listed within a ⅛-mile radius of the electric substation.

Details of all listed PBS facilities are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

No State Inactive Hazardous Waste Disposal Sites were reported within a one-mile radius of the subject property.

State Hazardous Substance Waste Disposal Site Study (SHSWDS)

This database tracks waste disposal sites that may pose threats to public health or the environment, but that cannot be remediated using monies from the Hazardous Waste Remediation Fund.

No SHSWDSs were identified within a one-mile radius of the subject property.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

The Rikers Island Power Plant (subject property) was listed as a Major Oil Storage Facility (Facility Id 2-2620). Details of on-site tanks can be found in the Petroleum Bulk Storage section. No other MOSF sites were identified within a ⅛-mile radius of the subject site.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding, through the Clean Water/Clean Air Bond Act of 1996, to reimburse costs for site investigation and remediation. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Environmental Restoration Programs were identified within a ½-mile radius of the subject site.

Voluntary Cleanup Program

In contrast to the Environmental Restoration Program, the Voluntary Cleanup Program is a NYSDEC program for investigation and remediation of generally privately-owned sites. It allows volunteers to obtain NYSDEC liability releases following cleanup. New sites are no longer accepted into this program (see the Brownfield Cleanup Program, below) though existing sites may continue to be addressed. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Voluntary Cleanup Program sites were identified within a ½-mile radius of the study site.

Brownfield Cleanup Program

In 2003, a New York State law established this successor to the Voluntary Cleanup Program. In addition to liability releases, it established a variety of tax credits for sites remediated through the program. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Brownfield Cleanup Program sites were identified within ½-mile of the subject site.

6.2.3 Local

The local records reviewed included the New York City Fire Department tank records and the Buildings Department on-line Buildings Information system. These records typically include fuel oil, gasoline and waste oil tank installation applications and permits, and records of prior uses.

Fire Department

The database search provided by Toxics Targeting, Inc. indicated that no Fire Department records were found for the subject property.

Buildings Department

Records maintained by the New York City Buildings Department were investigated to determine the potential presence of hazardous materials. No information for the subject site was provided by the New York City Buildings Department on-line Buildings Information System.

6.2.4 Additional Environmental Record Sources

Information about potential off-site impacts and recognized environmental conditions on-site was available from regulatory databases, site tank closure records, the site visit and on-site interviews. Given that it is unlikely that further significant information exists in additional environmental record sources, and given that it is unlikely that it would change the findings of this Phase I assessment, no additional sources were reviewed.

7.0 INTERVIEWS

7.1 Interview with owners, site managers and occupants

Mr. Randy Solomon, Conservation Engineer of the New York Power Authority (NYPA), Mr. Curtis Pierre, Rikers Island Power House Senior Stationary Engineer, and Mr. John Watt, Rikers Island Power House Senior Stationary Engineer provided detailed information about the subject site. This information is summarized in Section 2.1 and throughout the text.

7.2 Interview with local government officials

Federal, state and local regulatory databases were consulted for identifying recognized environmental conditions (RECs) on the property due to on-site or off-site conditions. Given that is unlikely that further significant information would be available from local government officials, and given that it is unlikely that such information would materially change the findings of this Phase I assessment, local government officials were not interviewed.

8.0 PREVIOUS STUDIES

Closure Report For The Excavation of Underground Storage Tanks, Rikers Island Powerhouse, Bronx, New York, Tyree Brothers Environmental Services, Inc., February 2000

AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall, steel, No. 6 fuel oil underground storage tanks. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 1999. The tanks were situated directly north of the Powerhouse Building. Approximately 19,400 gallons of a fuel/water mixture were removed from the tanks with a vacuum truck. Visible evidence of soil contamination and floating fuel oil contamination in exposed groundwater in the excavation were observed. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semi-volatile organic compounds (SVOC). The concentrations exceeded NYSDEC STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandom (TAGM), HWR-94-4046 Recommended Soil Cleanup

Objectives (RSCOs). It should be noted that the spill number was not listed in the NYSDEC Spills database reviewed for this Phase I ESA.

Underground Storage Tank Closure Report, Powerhouse Building – Rikers Island, James McCullagh Co., Inc., September 2001

AKRF was provided with a tank closure report documenting the excavation and removal of four single-wall, steel, No. 6 fuel oil underground storage tanks ranging in size from approximately 35,000 to 45,000 gallons. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The tanks were situated directly northwest of the Powerhouse Building and were buried approximately four feet below grade with the top half of the tanks exposed in a concrete vaulted room. No visible contamination was reported in the excavation. Analytical results, however, indicated volatile organic compounds (VOC) and petroleum-related SVOC compounds present at concentrations that exceeded the NYSDEC STARS guidance values in endpoint soil samples. The spill was reported to the NYSDEC and Spill No. 01-09604 was assigned to the site.

Tank Closure Summary, City of New York Department of Design and Construction – City of New York Department of Corrections, Gemstar Construction., December 2001

AKRF was provided with a tank closure report documenting the closure of two 10,000-gallon and two 20,000-gallon No. 2 fuel oil underground storage tanks. The tanks, which supplied the plant's emergency generators, were closed-in-place in February 2001. Analytical results of endpoint soil samples showed no significant petroleum-related SVOC concentrations.

Monitoring and Sampling of Groundwater Wells – Rikers Island Correction Facility, GZA GeoEnvironmental of New York, 2002 - 2004

AKRF was provided annual groundwater monitoring and sampling reports prepared by GZA GeoEnvironmental of New York. The reports document monthly groundwater monitoring and annual groundwater sampling, conducted at the site from July 2001 through June 2004. The data and samples were collected from seven monitoring wells downgradient of six 40,000-gallon No. 2 fuel oil underground storage tanks and two 20,000-gallon, diesel underground storage tanks. Groundwater samples were analyzed for SVOCs only. Evidence of petroleum contamination was not reported by GZA during groundwater monitoring and petroleum-related SVOC compounds were not detected in any of the samples collected.

9.0 LIMITATIONS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- A limited visual inspection for asbestos was performed in readily accessible areas only. No samples were collected as part of this assessment.

10.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard.

11.0 DATA GAPS

Section 3.3.20 of ASTM Standard E 1527-05 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the by the ASTM Standard. The following data gaps occurred in connection with this report:

Table 4
Data Gaps Identified

Data Gap	Explanation	Relevance of Gap
Project site Area History	The Project site area history was not conducted in five-year intervals	This data gap is not likely to alter the conclusions of the report
Project site Area History	The Project site area history was not conducted to prior to site development	This data gap is not likely to alter the conclusions of the report
Interview with former Owner or Operator	AKRF was unable to locate the former site owner or operator.	This data gap is not likely to alter the conclusions of the report
Interview with Owner or Operator of site abutters	AKRF was unable to locate the owners of the abutting properties	This data gap is not likely to alter the conclusions of the report

12.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. Any exceptions to, or deletions from, this practice are described in Sections 9.0 and 11.0 of this report.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. This assessment revealed evidence of the following recognized environmental conditions in connection with the property:

- Spill No. 0109604 was issued for the Rikers Island Central Power Plan on September 10, 2001 due to contaminated soil observed on-site during removal of four No. 6 fuel oil underground storage tanks of approximately 45,000-gallon, 42,000-gallon, 39,000-gallon and 35,000-gallon capacities. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The spill was closed on March 10, 2003.
- AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall, steel, No. 6 fuel oil underground storage tanks at the Central Power Plant. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 1999. Tyree reported visible soil contamination and fuel oil floating in exposed groundwater in the excavation. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semi-volatile organic compounds (SVOCs), that exceeded New York State Department of Environmental Conservation (NYSDEC) STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandum (TAGM), HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The spill number given in the Tyree report was not listed in the NYSDEC Spills database reviewed for this Phase I ESA.
- Two additional closed spill numbers were cited for Rikers Island Power Plant. A February 15, 1989 300-gallon diesel spill (Spill No. 0202449) that originated from a punctured portable tank was closed on December 4, 1992. A June 6, 2002 20-gallon No. 2 fuel oil spill (Spill No. 0109604) that occurred in a basement was closed the same day.
- No. 2 fuel oil was stored in six on-site 40,000-gallon underground storage tanks located outside of the building, along the northern wall of the power plant, within a fenced area. Two 20,000-gallon diesel underground storage tanks were located outside along the eastern wall of the plant and were connected to two 100-gallon diesel day tanks located on the first floor.
- A 1,000-gallon waste oil aboveground storage tank aboveground storage tank, six portable, 1,000-gallon waste oil aboveground storage tanks and two 55-gallon waste oil drum storage areas were noted outside the building along the western wall of the plant. Heavy staining and evidence of spill cleanup was observed around the tanks and drums. According to Mr. Watt, Rikers Island Power House Senior Stationary Engineer, storm drains in the area of the power plant were connected to the municipal sewer system.

- A drum storage area, containing 55-gallons drums labeled anti-freeze and coolant, was located on the first floor at the southern end of the plant. Moderate staining was observed near the drums.
- Rikers Island Power Plant (subject property) was listed as a New York State Major Oil Storage Facility (MOSF) and a Petroleum Bulk Storage (PBS) facility on the regulatory database. Current on-site fuel oil storage was reported to consist of approximately 240,000 gallons of No. 2 fuel oil, 44,000 gallons of diesel and an unknown quantity of waste oil.
- Rikers Island is listed as Resource Conservation and Recovery Act Treatment, Storage and Disposal facility (RCRA TSDs) due to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000 gallons of sludge, 500 pounds of pesticides and 500 gallons of other organic chemicals. Sanitary landfilling also took place.
- Rikers Island was listed as a CERCLIS NFRAP (No Further Remedial Action Planned) site. No specific address for the listing was provided and no further information about the listing was given.
- According to Curtis Pierre, Rikers Island Central Power Plant Senior Stationary Engineer, the buildings on the power plant portion of the subject property were constructed around 1930, at which time many Asbestos-Containing Materials (ACMs) were utilized.
- Based on the age of the subject building, lead-based paint may be present. Painted surfaces of the subject buildings were observed to be in varying conditions ranging from good to poor.
- The on-site power plant buildings were illuminated by fluorescent lighting. Based on the age of the power plant buildings, suspect polychlorinated biphenyls (PCB)- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- Electrical equipment at the substation portion of the site may be PCB-and/or mercury-containing. No leaks or stains were noted around such equipment, which do not currently present a potential hazard to human health.
- A regulatory database search indicated that thirteen RCRA Generators/Transporters were reported within a ⅛-mile radius of the subject site. All of the sites were located on Rikers Island but could not be mapped due to lack of address information. Seven of the thirteen sites were New York City Department of Corrections (DOC) facilities and were listed as Large Quantity Generators with waste descriptions including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability and solid waste that exhibits the characteristic of corrosivity. The remaining sites were Consolidated Edison vaults listed for PCB-containing petroleum oil. Based on the information provided in the database, reported and potential releases may have affected environmental conditions at the subject site.

Based on the results of this assessment, the following recommendations are noted:

- A subsurface (Phase II) investigation should be conducted to determine whether the historical uses of the project site and the surrounding properties have affected on-site environmental conditions. In particular, the scope of the investigation should test for potential soil and groundwater contamination from all on-site fuel oil and waste oil storage, electrical transformers, and materials used as fill to expand the extent of the island.

- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction). Areas containing suspected lead-based paint should be maintained in good condition.
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures and/or electrical equipment are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

13.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Brian Dortch
Environmental Scientist

14.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. It is intended for use as a supplement to the property appraisal, and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

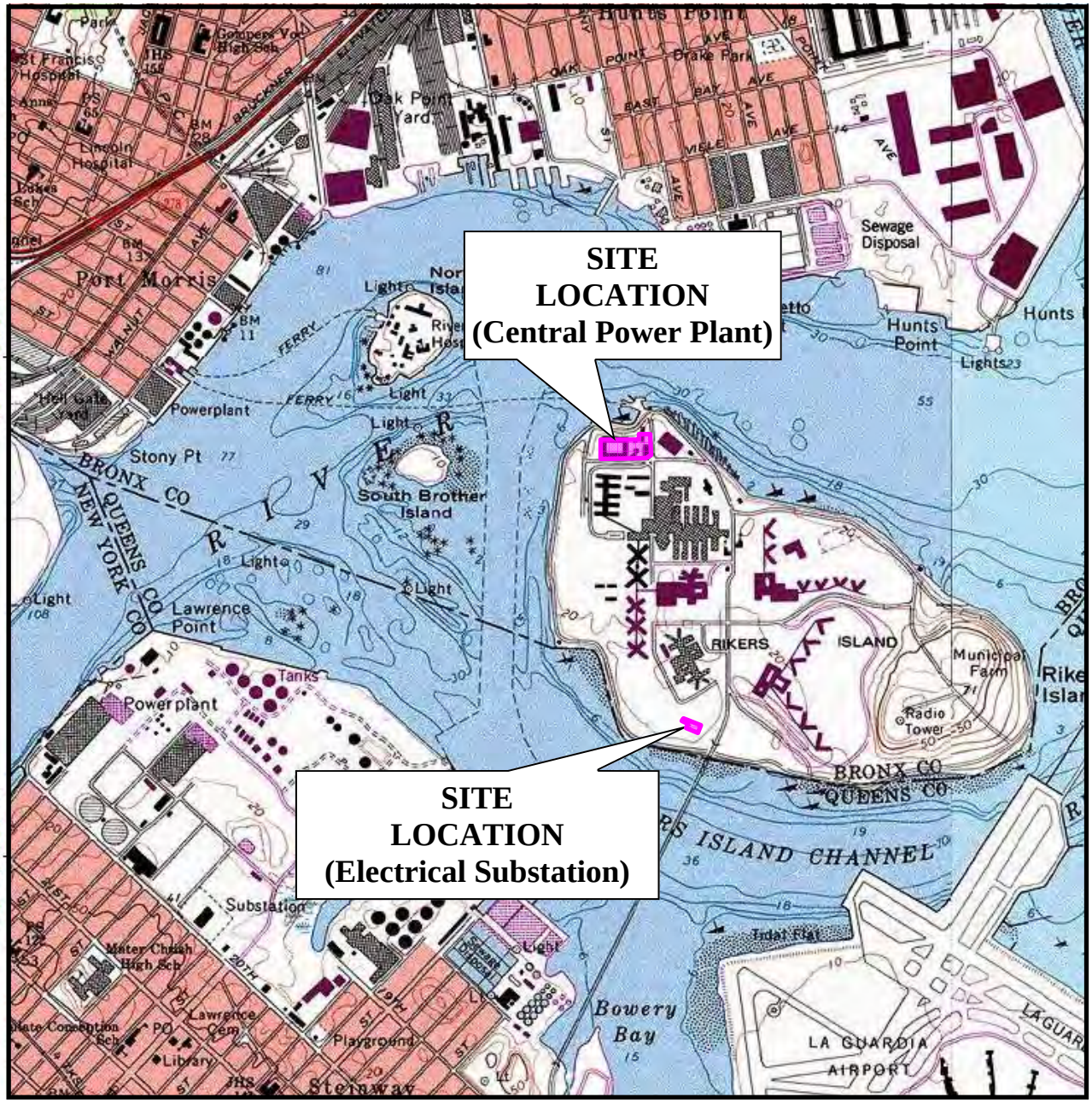
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than DMJM Harris and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

15.0 REFERENCES

1. Toxics Targeting, Inc.; Rikers Island Power Plant, Bronx, New York 11370; Regulatory Radius Search; March 26, 2008.
2. U.S. Geological Survey; Central Park, NY Quadrangle; 7.5 minute Series (Topographic); Scale 1:24,000; 1995.
3. New York State Department of Health: Office of Public Health - Environmental Radiation Section; Basement Radon Screening Data; August, 2006.
4. Historical Aerial Photographs dated 1955, 1966, 1978, 1984 and 1996.
5. Tyree Brothers Environmental Services, Inc.; Closure Report For The Excavation of Underground Storage Tanks, Rikers Island Powerhouse, Bronx, New York; February 2000.
6. James McCullagh Co., Inc.; Underground Storage Tank Closure Report, Powerhouse Building – Rikers Island, September 2001.
7. Gemstar Construction.; Tank Closure Summary, City of New York Department of Design and Construction – City of New York Department of Corrections, December 2001.
8. GZA GeoEnvironmental of New York; Monitoring and Sampling of Groundwater Wells – Rikers Island Correction Facility, 2002 – 2004.

FIGURES



SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

N

SOURCE:
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

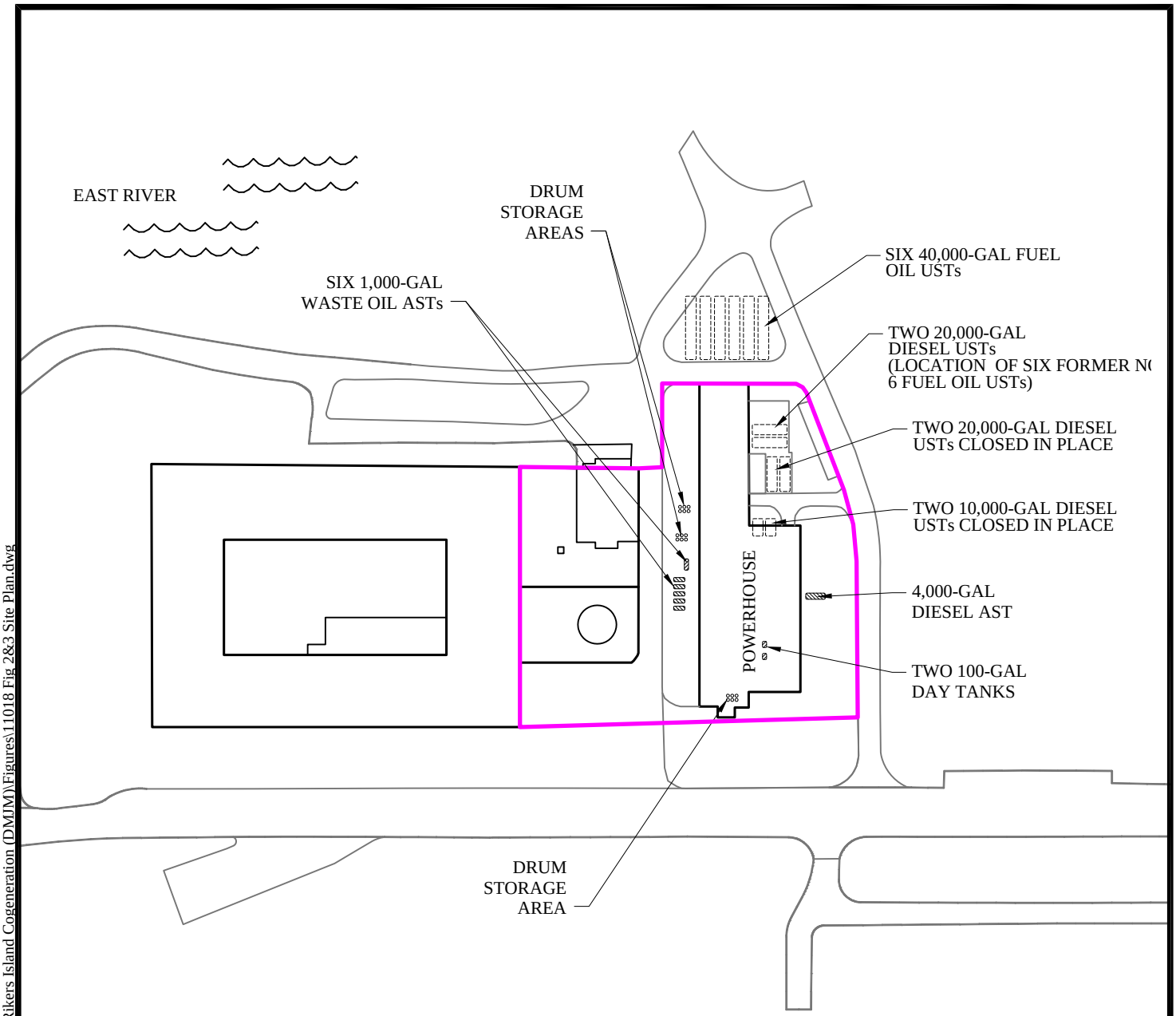
RIKERS ISLAND
Central Power Plant and Electrical Substation
BRONX, NEW YORK

PROJECT SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	6.20.08
PROJECT No.	11018
SCALE	as shown
FIGURE	1

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DM/M)\Figures\11018 Fig 1 loc map.pub



LEGEND:

PROJECT SITE BOUNDARY

AST — ABOVEGROUND STORAGE TANK

UST — UNDERGROUND STORAGE TANK

0' 75' 150' 300'

SCALE IN FEET

N

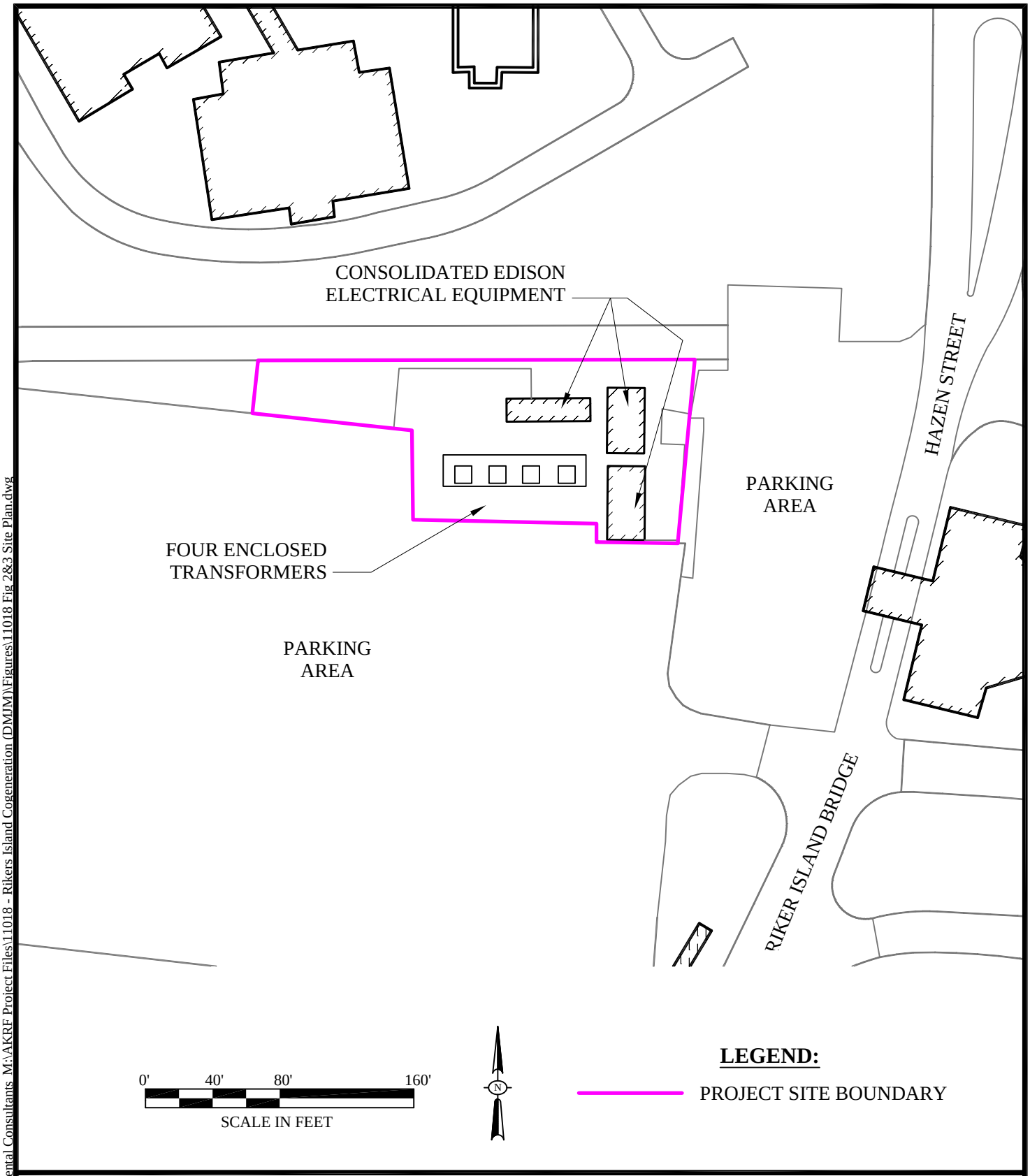
RIKERS ISLAND
CENTRAL POWER PLANT
BRONX, NEW YORK

SITE PLAN DETAIL

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE **6.03.08**
PROJECT No. **11018**
SCALE **as shown**
FIGURE **2**

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\Figures\11018 Fig 2&3 Site Plan.dwg



RIKERS ISLAND
ELECTRICAL SUBSTATION
BRONX, NEW YORK

SITE PLAN DETAIL

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE **6.20.08**
PROJECT No. **11018**
SCALE **as shown**
FIGURE **3**

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\Figures\11018 Fig 2&3 Site Plan.dwg

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

Photograph 1: Rikers Island Power Plant.

Photograph 2: East side of Rikers Island Power Plant.

Photograph 3: 100-gallon day tanks and emergency generators.

Photograph 4: Indoor 55-gallon antifreeze drum storage area at south end of the plant.

Photograph 5: Piping associated with power plant boilers.

Photograph 6: Floor drain typical to the first floor.

Photograph 7: 55-gallon waste oil drum storage area located west of the plant.

Photograph 8: Mobile 1,000-gallon waste oil aboveground storage tanks located west of the plant.

Photograph 9: Active 4,000-gallon diesel aboveground storage tank located east of the plant.

Photograph 10: Location of six 40,000-gallon No. 2 fuel oil underground storage tanks north of the plant.

Photograph 11: Location of two active 20,000-gallon diesel underground storage tanks east of the plant.

Photograph 12: Location of two closed in place 20,000-gallon diesel underground storage tanks east of the plant.

Photograph 13: Active 1,000-gallon waste oil aboveground storage tank located west of the plant.

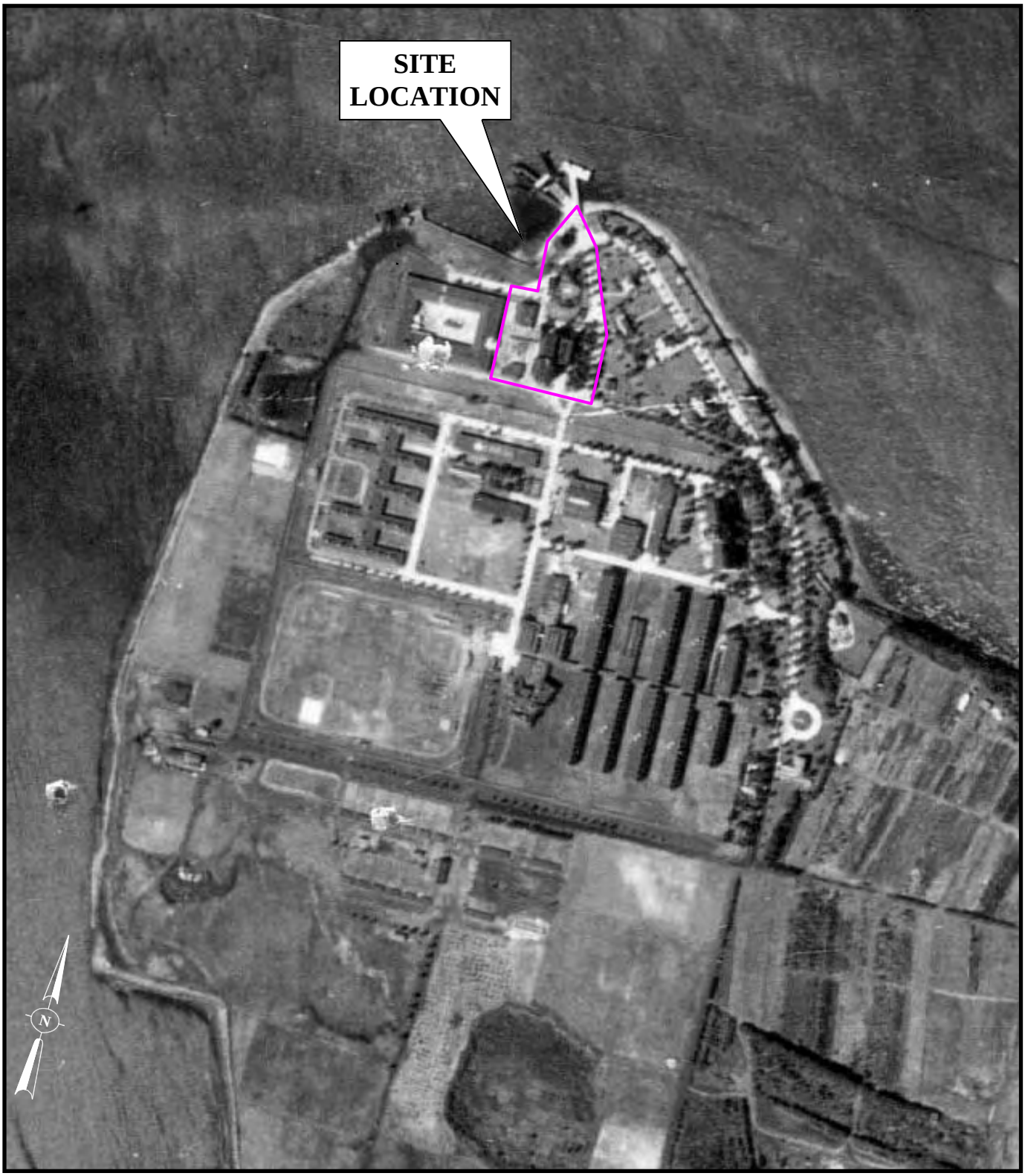
Photograph 14: Electrical substation on southern side of Rikers Island.

Photograph 15: Transformer located within the substation.

Photograph 16: Storm drain and empty 55-gallon drum in grassy area of substation.

APPENDIX B

HISTORICAL AERIAL PHOTOGRAPHS



LEGEND:

PROJECT SITE BOUNDARY

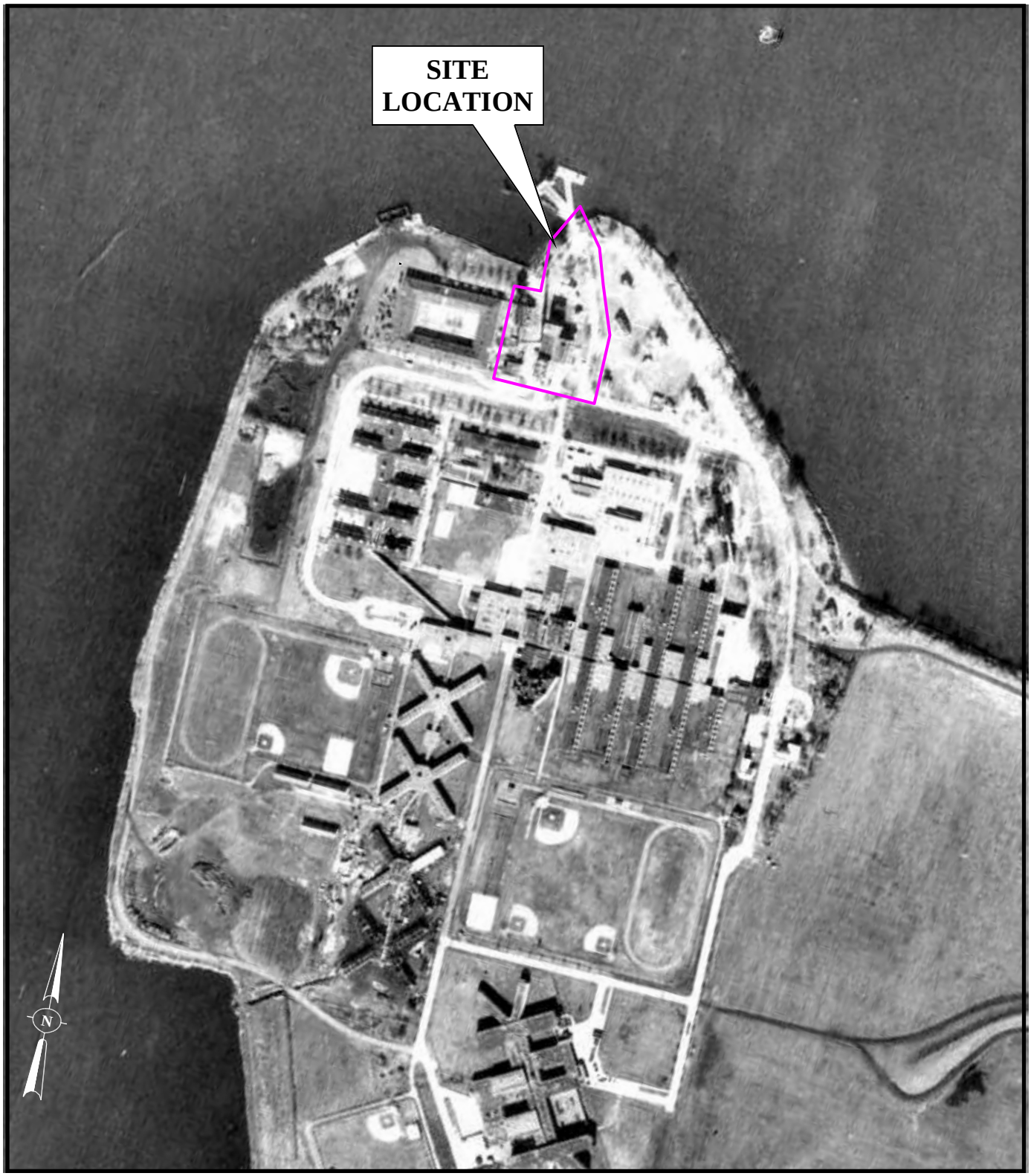
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1955 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\11018 1955 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

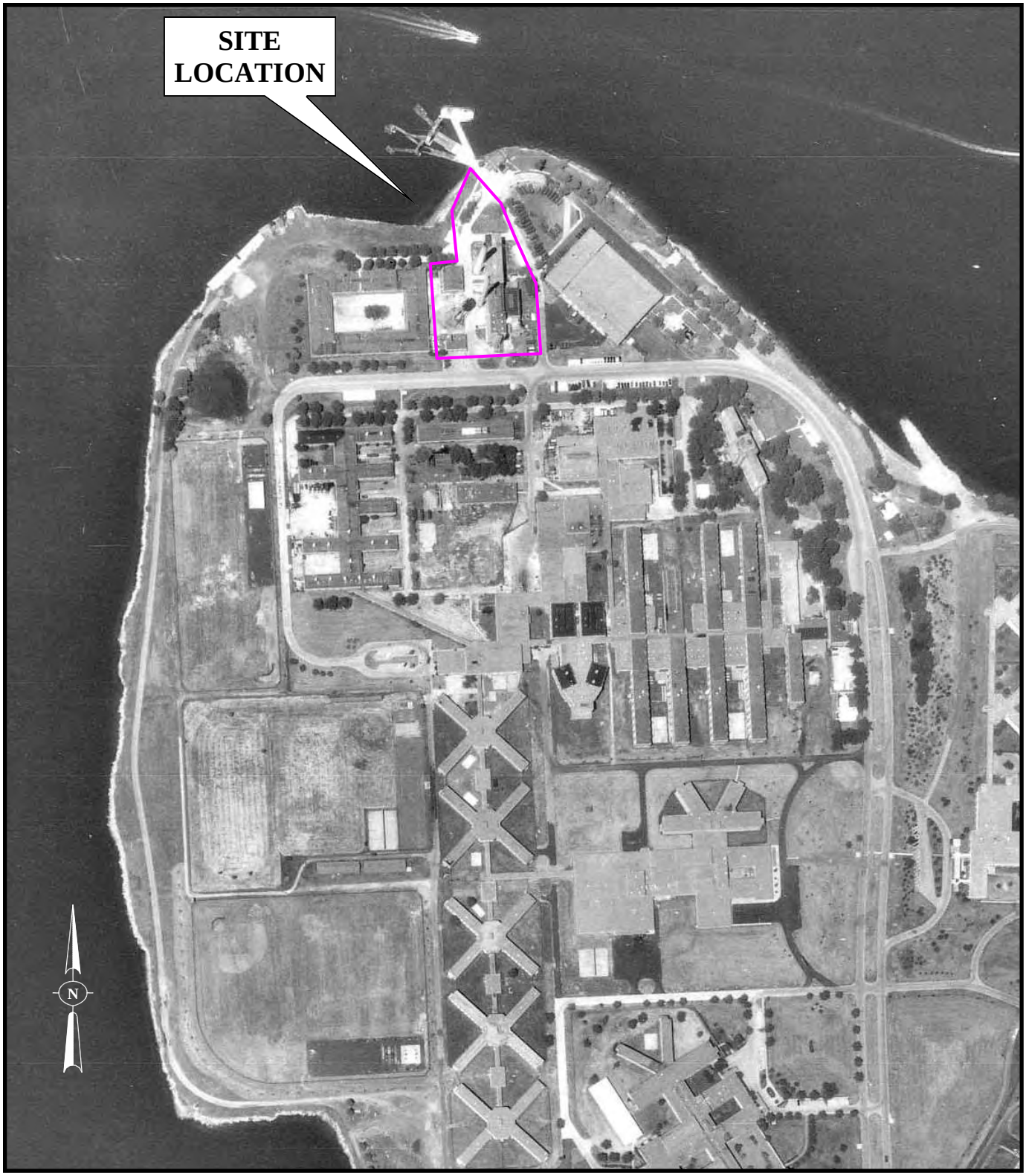
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1966 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No.	11018
SCALE	NTS
FIGURE	2

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\11018 1966 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

RIKER'S ISLAND,
QUEENS, NEW YORK

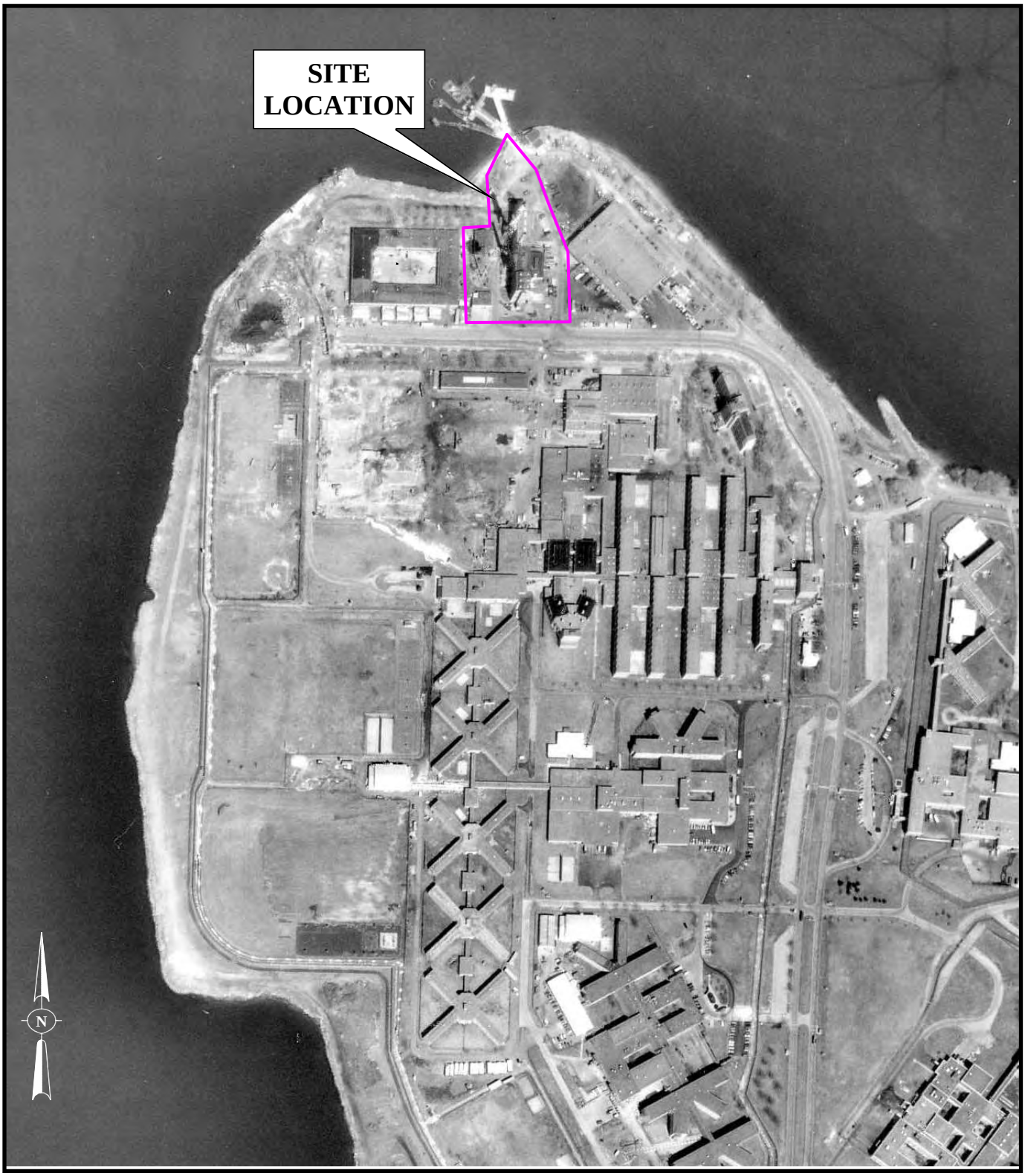
1978 AERIAL PHOTO

AKRF

Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	**06.02.08**
PROJECT No.	**11018**
SCALE	**NTS**
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\11018 1978 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

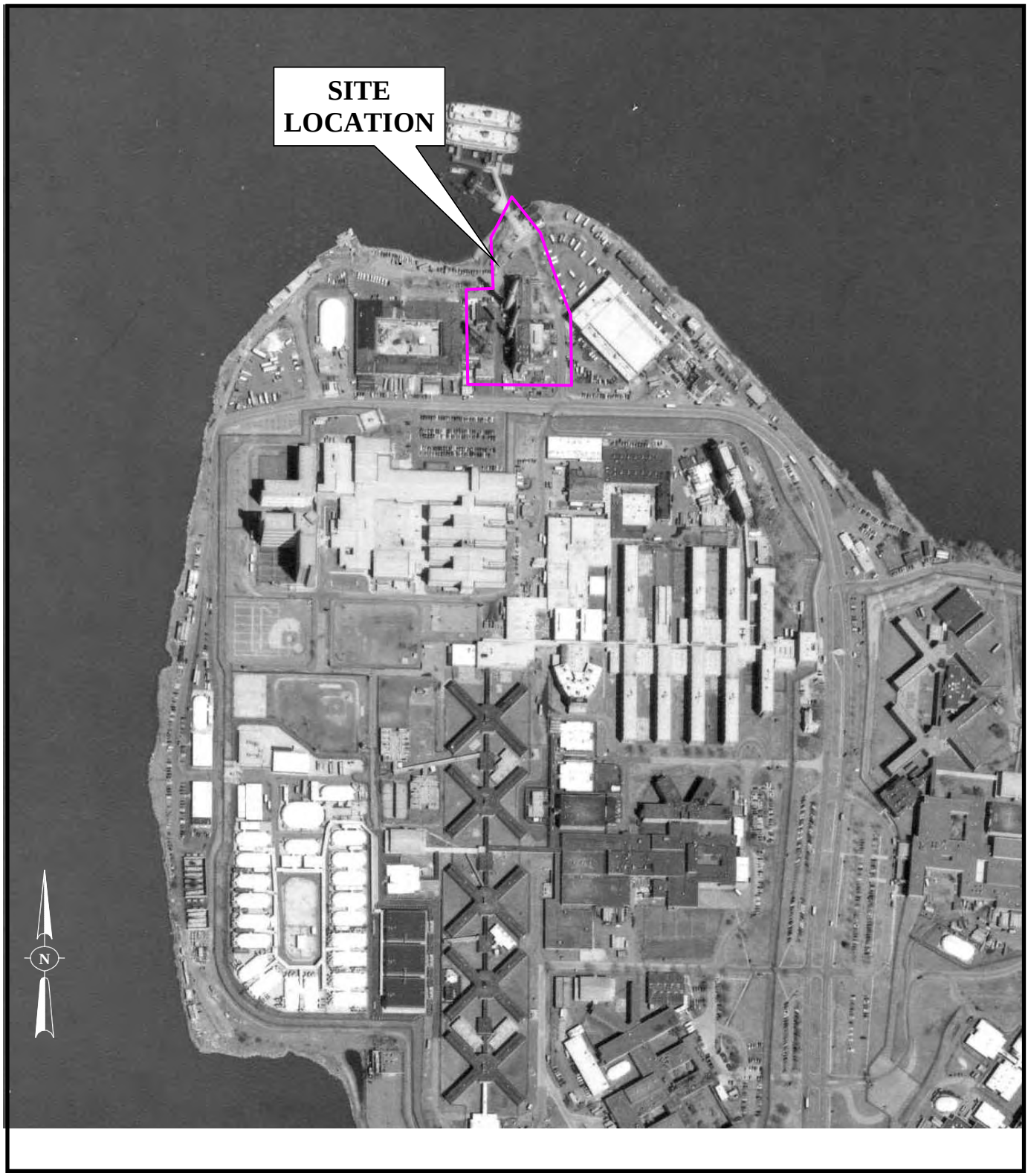
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1984 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\11018 1984 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1955 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
06.02.08

PROJECT No.
11018

SCALE
NTS

FIGURE

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\11018 1955 Aerial map.pub

LEGEND:

PROJECT SITE BOUNDARY

RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1955 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\substation\11018 Aerial 55-96.pub

LEGEND:

PROJECT SITE BOUNDARY

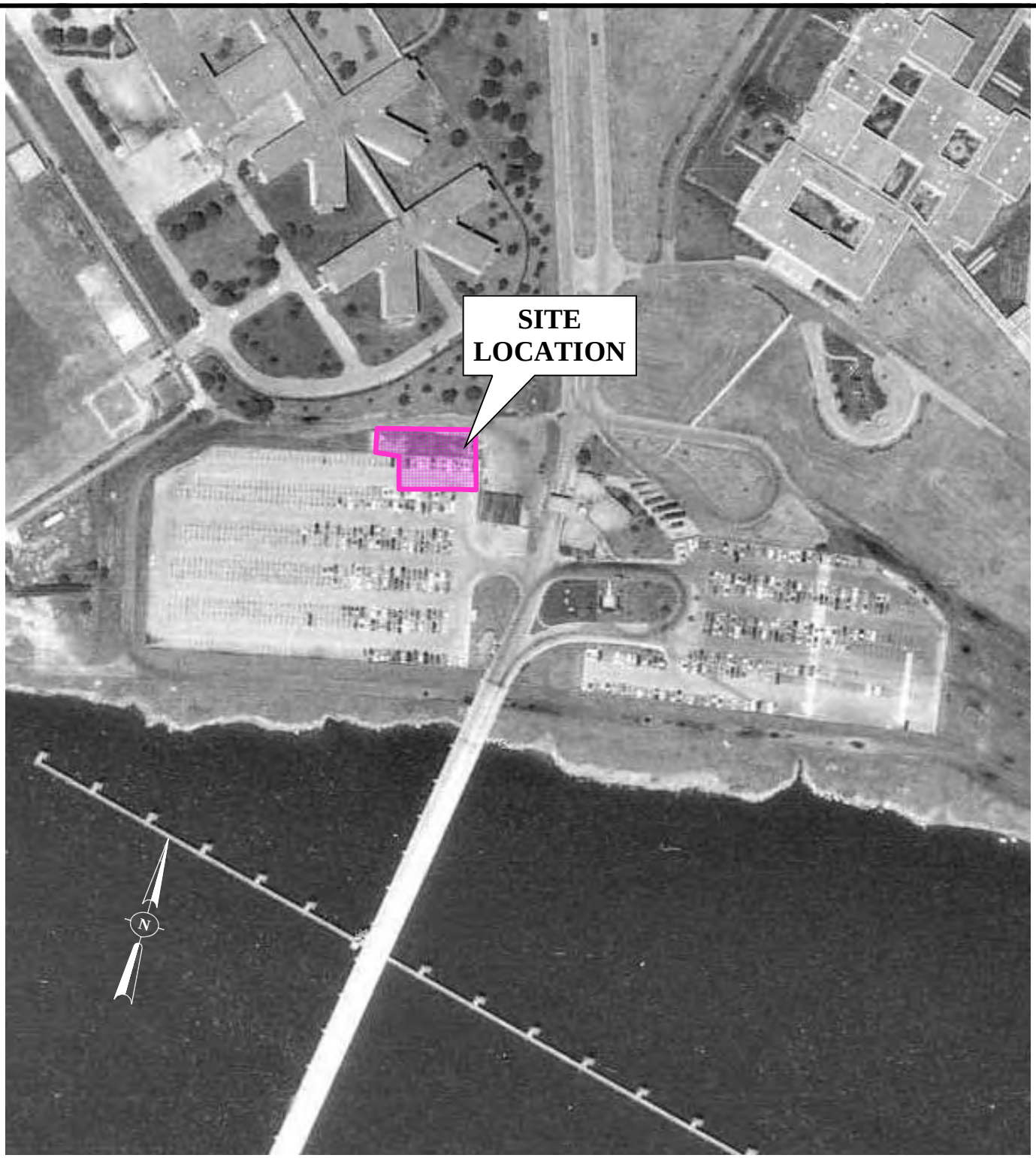
RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1966 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\substation\11018 Aerial 55-96.pub



LEGEND:

PROJECT SITE BOUNDARY

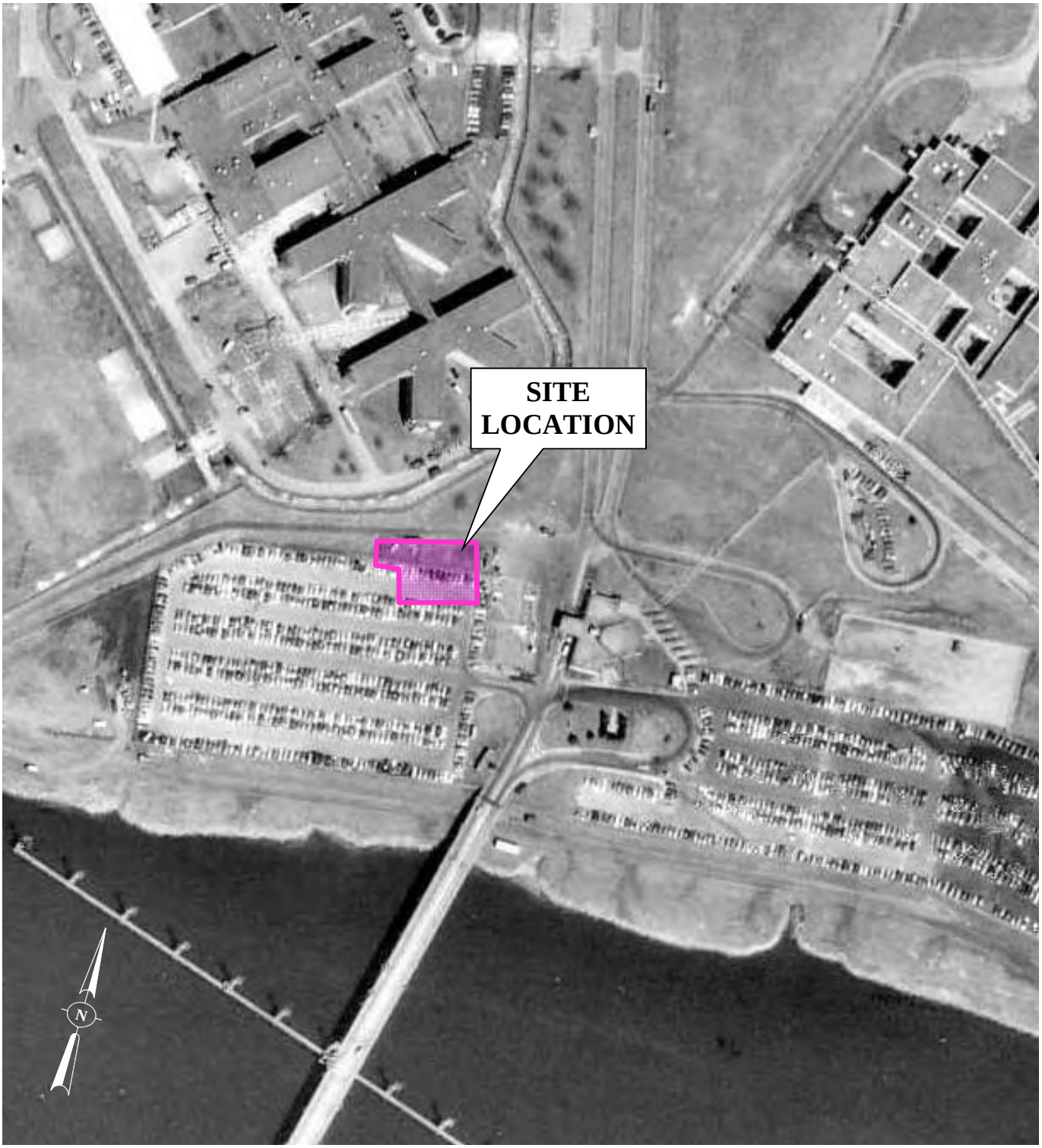
RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1978 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\substation\11018 Aerial 55-96.pub



LEGEND:

PROJECT SITE BOUNDARY

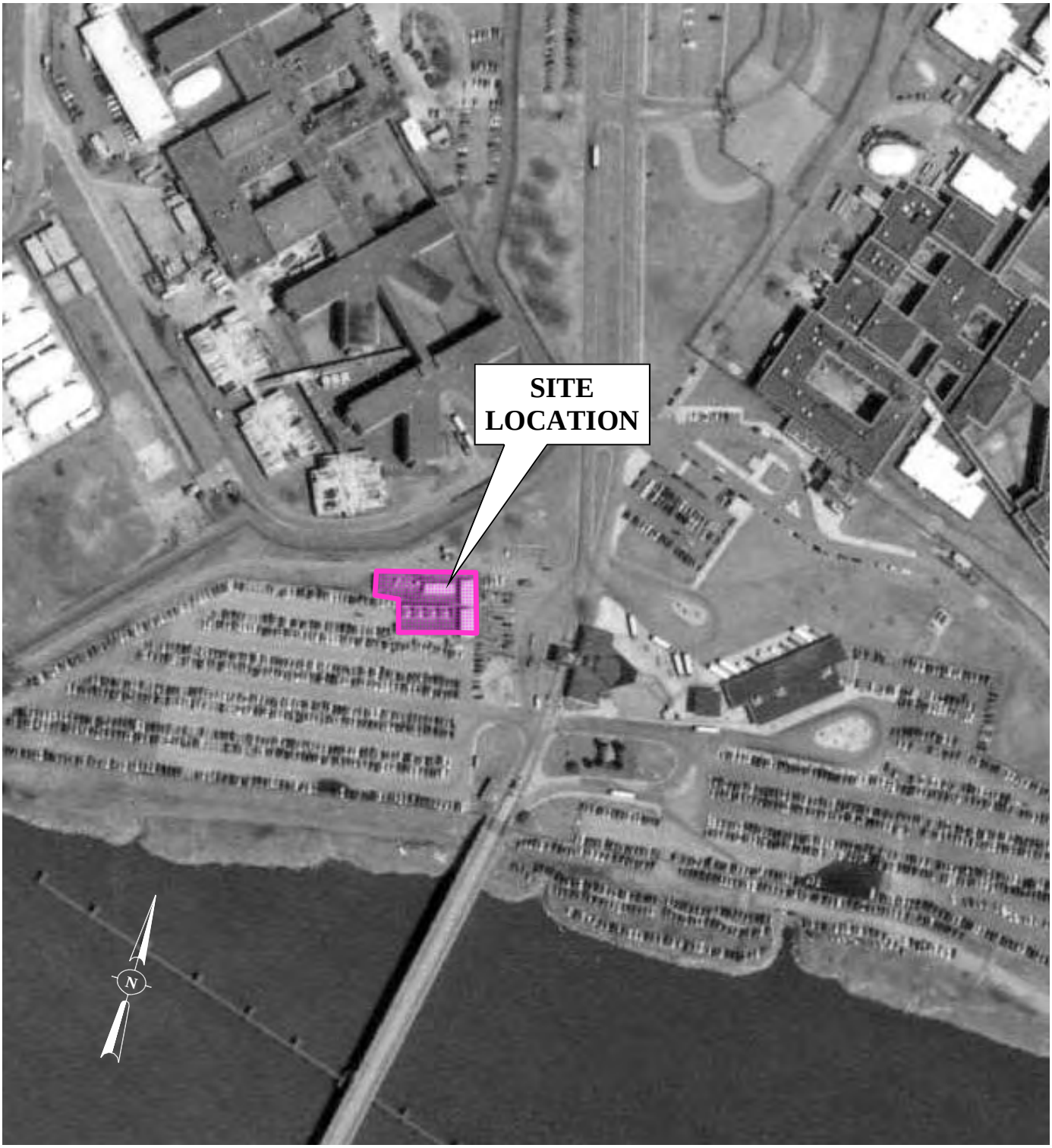
RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1984 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\substation\11018 Aerial 55-96.pub



LEGEND:

PROJECT SITE BOUNDARY

RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1996 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No.	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\substation\11018 Aerial 55-96.pub

APPENDIX C

REGULATORY RECORDS REVIEW

Toxics Targeting Environmental Report

Rikers Island Power Plant
Bronx, NY 11370

March 26, 2008

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

Introduction..... **1**

- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

Section One: Your Report Summary..... **6**

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close-up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

© Toxics Targeting, Inc. 2008

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report*. It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of <u>identified sites by distance intervals</u>.

- Check Table Two to see identified sites sorted by <u>direction</u>.

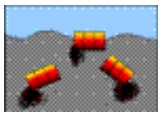
- Check Table Three to see identified sites ranked by <u>proximity to the target address</u>.

- Check Table Four to see identified sites <u>sorted by site categories</u>.

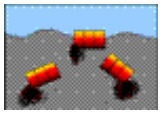
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

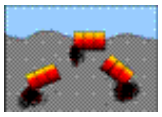
Search Radius

One-Mile 

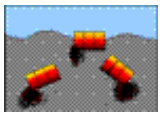
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

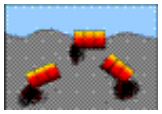
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

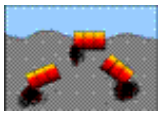
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

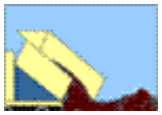
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

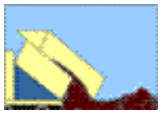
7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile 

10) ***New York City 1934 Solid Waste Sites****:* a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile

13) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile

14) ***New York State Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile

15) ***New York City Fire Dept Tank Data****:* tank data from 1997.

Eighth-Mile

16) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

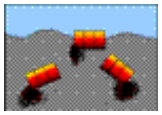
Eighth-Mile

17) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile

18) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile



19) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile

20) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile

21) ***Federal Air Discharges****:* air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile

23) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft)

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites****:* parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only

25) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. <u>Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere</u>. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	0	1	0	Not searched	1
Active Spills - Unknown / Other Causes	0	0	0	1	Not searched	1
Active Spills - Miscellaneous Causes	0	0	0	0	Not searched	0
Closed Tank Failures	0	0	0	0	Not searched	0
Closed Tank Test Failures	0	0	0	1	Not searched	1
Closed Spills - Unknown / Other Causes	0	0	0	1	Not searched	1
Closed Spills - Miscellaneous Causes	3	5	0(1)	0(8)	Not searched	8(9)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	1	0	Not searched	Not searched	Not searched	1
Local & State Petroleum Bulk Storage Sites	1	1	Not searched	Not searched	Not searched	2
RCRA Hazardous Waste Generators & Transporters	0	0	Not searched	Not searched	Not searched	0
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**5**	**6**	**1(1)**	**3(8)**	**0**	**15(9)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	1	0	Not searched	Not searched	Not searched	1
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**1**	**0**	**0**	**0**	**Not Searched**	**1**
Distance Interval Totals	***6***	***6***	***1(1)***	***3(8)***	***0***	***16(9)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

Rikers Island Power Plant
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
14	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Petroleum Bulk Storage Site
5	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Closed Status Spill (Misc. Spill Cause)
6	INSIDE PPOWER HOUSE-FL 1	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
7	POWER HOUSE	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
16	NYC CORRECTIONS-RIKER'S ISLAND POWER HS	16-16 HAZEN STREET	0 feet	Air Discharge Site
13	RIKERS ISLAND POWER HOUSE	16-16 HAZEN STREET	0 feet	Major Oil Storage Facility

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
8	RIKERS ISLAND	FUEL OIL LOADING DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
9	RIKER'S ISLAND	1616 HAZAN ST	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
10	RIKERS ISLAND DOCK	RIKERS ISLAND DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
11	RIKERS ISLAND	RIKERS ISLAND- FUEL DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
15	OTIS BANTUM CORR. CENTER	16-00 HAZEN STREET	579 feet to the S	Petroleum Bulk Storage Site
12	RIKERS ISLAND OBCC STAT	16-16 HAZEN STREET	583 feet to the S	Closed Status Spill (Misc. Spill Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
1	NORTH INFERMERY COMMAND	1500 HAZEN ST	1247 feet to the ESE	Active Tank Test Failure
3	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	2500 feet to the SE	Closed Status Tank Test Failure
2	1606 HAZEN	1606 HAZEN ST	2096 feet to the S	Active Haz Spill (Unknown/Other Cause)
4	SOUTH BROTHERS ISLAND	SOUTH BROTHERS ISLAND	2276 feet to the W	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

Rikers Island Power Plant
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Active Tank Test Failures -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	9811099	NORTH INFERMERY COMMAND	1500 HAZEN ST	1247 feet to the ESE

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	0209283	1606 HAZEN	1606 HAZEN ST	2096 feet to the S

Closed Status Tank Test Failures -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	9811097	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	2500 feet to the SE

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	9608994	SOUTH BROTHERS ISLAND	SOUTH BROTHERS ISLAND	2276 feet to the W

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 8 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	8808953	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet
6	0202449	INSIDE PPOWER HOUSE-FL 1	16-16 HAZEN ST	0 feet
7	0109604	POWER HOUSE	16-16 HAZEN ST	0 feet
8	9904187	RIKERS ISLAND	FUEL OIL LOADING DOCK	535 feet to the NE
9	9603216	RIKER'S ISLAND	1616 HAZAN ST	535 feet to the NE
10	9405373	RIKERS ISLAND DOCK	RIKERS ISLAND DOCK	535 feet to the NE
11	9404329	RIKERS ISLAND	RIKERS ISLAND- FUEL DOCK	535 feet to the NE
12	9304269	RIKERS ISLAND OBCC STAT	16-16 HAZEN STREET	583 feet to the S

Major Oil Storage Facilities -- Total Sites - 1 — **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
13	2-2620	RIKERS ISLAND POWER HOUSE	16-16 HAZEN STREET	0 feet

Petroleum Bulk Storage Sites -- Total Sites - 2 — **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
14	2-607229	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet
15	2-187720	OTIS BANTUM CORR. CENTER	16-00 HAZEN STREET	579 feet to the S

Air Discharge Sites -- Total Sites - 1 — **Database searched at 1/8 MILE - Non-ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
16	3600500016	NYC CORRECTIONS-RIKER'S ISLAND POWER HS	16-16 HAZEN STREET	0 feet

Identified Toxic Sites by Proximity

Rikers Island Power Plant, Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
14	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Petroleum Bulk Storage Site
5	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Closed Status Spill (Misc. Spill Cause)
6	INSIDE PPOWER HOUSE-FL 1	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
7	POWER HOUSE	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
16	NYC CORRECTIONS-RIKER‘S ISLAND POWER HS	16-16 HAZEN STREET	0 feet	Air Discharge Site
13	RIKERS ISLAND POWER HOUSE	16-16 HAZEN STREET	0 feet	Major Oil Storage Facility
8	RIKERS ISLAND	FUEL OIL LOADING DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
9	RIKER‘S ISLAND	1616 HAZAN ST	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
10	RIKERS ISLAND DOCK	RIKERS ISLAND DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
11	RIKERS ISLAND	RIKERS ISLAND- FUEL DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
15	OTIS BANTUM CORR. CENTER	16-00 HAZEN STREET	579 feet to the S	Petroleum Bulk Storage Site
12	RIKERS ISLAND OBCC STAT	16-16 HAZEN STREET	583 feet to the S	Closed Status Spill (Misc. Spill Cause)
1	NORTH INFERMERY COMMAND	1500 HAZEN ST	1247 feet to the ESE	Active Tank Test Failure
2	1606 HAZEN	1606 HAZEN ST	2096 feet to the S	Active Haz Spill (Unknown/Other Cause)
4	SOUTH BROTHERS ISLAND	SOUTH BROTHERS ISLAND	2276 feet to the W	Closed Status Spill (Unk/Other Cause)
3	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	2500 feet to the SE	Closed Status Tank Test Failure

Toxics Targeting
1 Mile Radius Map

Rikers Island Power Plant

Bronx, NY 11370

Bronx County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

1/8 Mile Radius

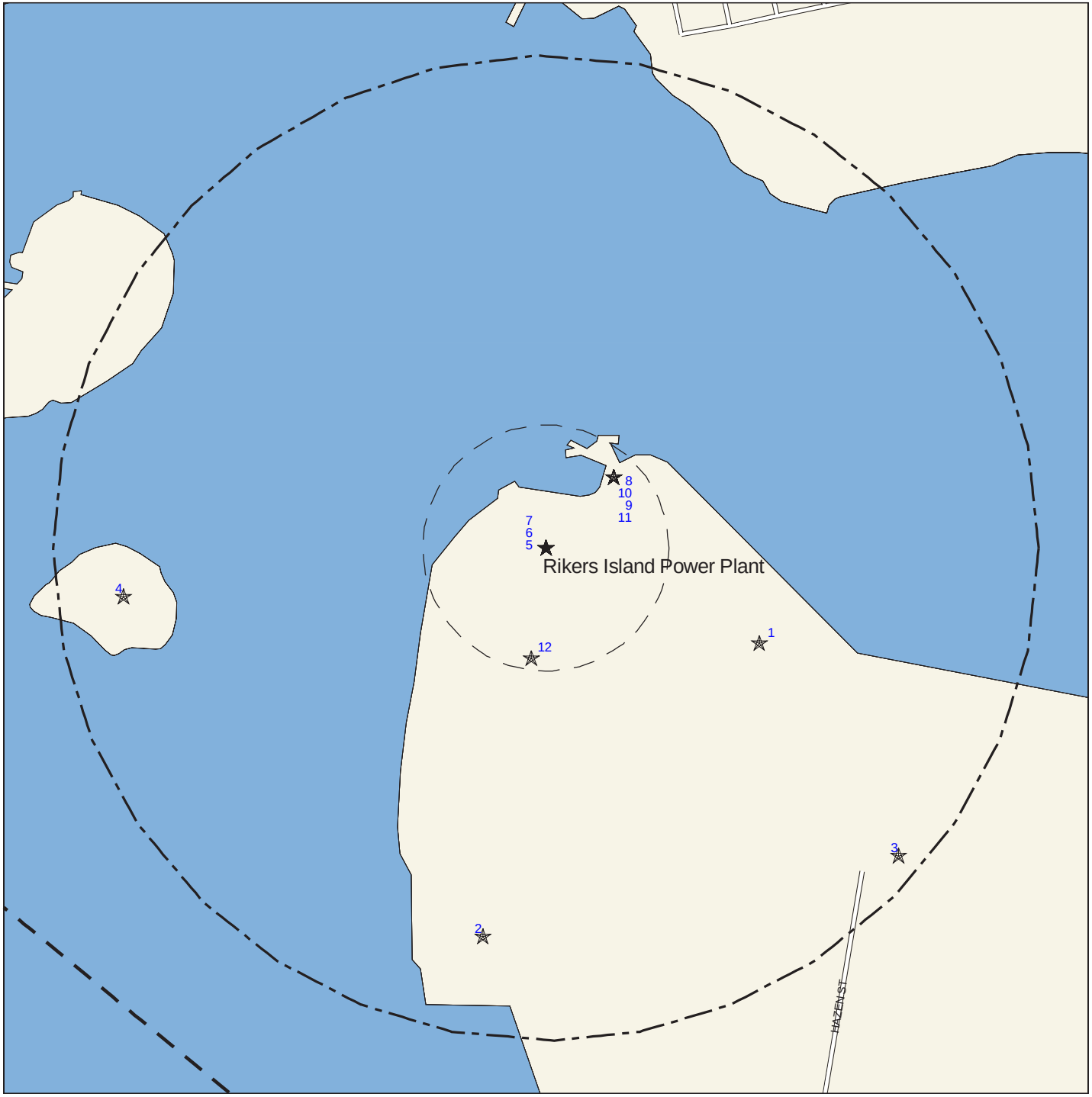
1 0 1/8 1/4 1/2 1

Distance in Miles

Toxics Targeting
1/2 Mile Radius Map

Rikers Island Power Plant

Bronx, NY 11370



Bronx County

- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

1/2 0 1/16 1/8 1/4 1/2

Distance in Miles

Toxics Targeting
1/8 Mile Radius Map

Rikers Island Power Plant

Bronx, NY 11370

Bronx County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site
- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius

1/8 0 1/16 1/8

Distance in Miles

Toxics Targeting
1/8 Mile Closeup Map

Rikers Island Power Plant

Bronx, NY 11370

Bronx County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

1/8 0 1/16 1/8

Distance in Miles

* 1 Mile Search Radius

** 1/2 Mile Search Radius

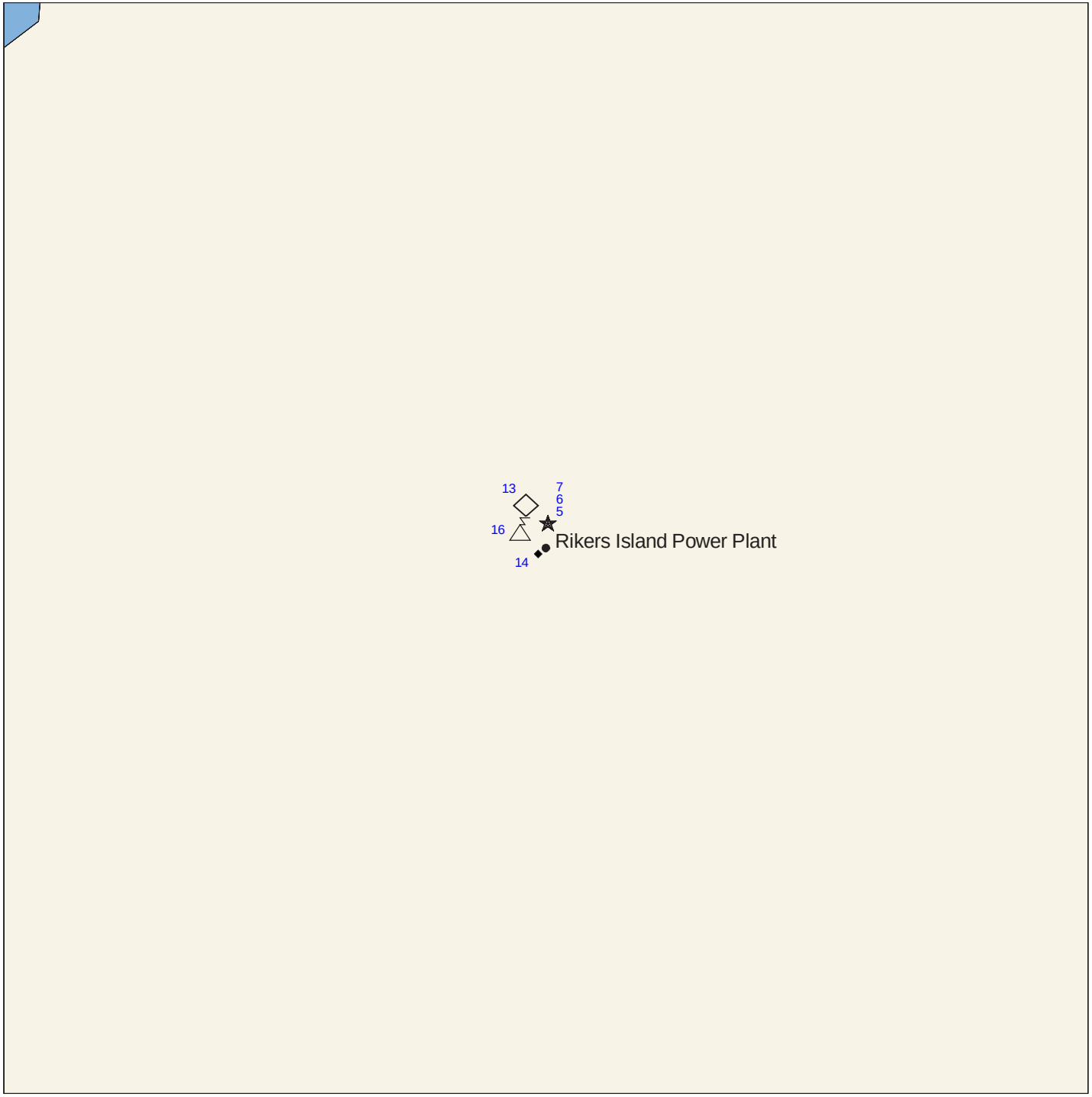
**** 1/8 Mile Search Radius

***** Onsite Search (250 Ft)

Toxics Targeting
Tax Parcel Map

Rikers Island Power Plant

Bronx, NY 11370



Bronx County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation

- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

Rikers Island Power Plant
Bronx, NY 11370

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
	Site not located on a parcel							
	Site not located on a parcel							

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
  (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **NORTH INFERMERY COMMAND** **Spill Number: 9811099** **Close Date:**
1500 HAZEN ST RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1247 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: VSZHUNE

Spiller: KAMAL BHUIYAN - RIKERS ISLAND
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
DIESEL	UNKNOWN	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	8000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

ISOLATION TEST WILL BE DONE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
06/25/04 - Transfered from Tibbe to Rommel.

letter sent 1/27/2006 to obtain more info.

sent strong followup 2/21/06

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **1606 HAZEN** **Spill Number: 0209283** **Close Date:**
1606 HAZEN ST EAST ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2096 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: CALLER - 1606 HAZEN ST
Spiller Phone:
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: MARSHA OCONNOR
Caller Agency: NYS DEPT OF CORRECTIONS
Caller Phone: (718) 956-8778
DEC Investigator: HRPATEL
Contact for more spill info: CALLER
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/10/2002		UNKNOWN	2-601484	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING FROM STORAGE TANK. LEAK STOPPED. CLEANUP CREW CONTACTED AND RESPONDING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
12/10/02 - 9:35am: Tristate Environmental is on the way for clean up. - 12:00PM: Several 275 ASTs located at west area in Rikers Island. Inventory showed that 100 gal fuel lost in a 48 hour period. Assuming that pipline at one tank behind builging 19 in west area in Rikers Island leaked. Tri-state Lisa Howard (914) 589-8418 states that tri-state will perform a line test to conform the

leak and will contact DEC after the test. jz

1000 GAL AST. 518-402-9543 BOB, TASO.

4/12/04-Vought-Spill transferred from Sangesland to Rommel as per Rommel.

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Patel) for review and closure - end

11/01/06-Hiralkumar Patel. left message for Ms. Oconnor (PH.: 718-546-3090/3091/3092).
11/16/06-Hiralkumar Patel. spoke with Ms. Oconnor. she asked to call Ms. Patricia Feeney (718-546-3090) tomorrow.

12/01/06-Hiralkumar Patel. left message for Ms. Feeney.

12/04/06-Hiralkumar Patel. received call from Ms. Feeney. as per her, tristate did cleanup. she will check her records and will send letter report about cause of release, area impacted and method of cleanup.

12/27/06-Hiralkumar Patel. left message for Ms. Feeney.
03/16/07-Hiralkumar Patel. left message for Ms. Feeney.
06/06/07-Hiralkumar Patel. spoke with Ms. Feeney. she will check her record storage area for any reports.

07/05/07-Hiralkumar Patel. left message for Ms. Feeney.
10/11/07-Hiralkumar Patel. spoke with Ms. Feeney. she mentioned that she has faxed letter in Jan. 2007, but i haven't received any. she will fax letter again.

11/01/07-Hiralkumar Patel. spoke with Ms. Feeney. after initial fax in Jan 2007, they put documents back in storgae and are currently looking for it and will send once gets it.

01/14/08-Hiralkumar Patel. spoke with Mr. Kazi at Ms. Feeney's office. he asked to contact Mr. Geevarughese, who handles this matter.

Mathew Geevarughese
Dept. Director, OSHA
PH. (718) 546-3093/3091 (O)
(347) 386-7060 (C)

spoke with Mathew. he will look for report.

01/22/07-Hiralkumar Patel. received message from Mathew aksing for spill number. left message for Mathew with spill number.
01/31/08-Hiralkumar Patel. spoke with Mathew. he is looking for report.
02/01/08-Hiralkumar Patel. received call from Mathew. he couldn't find any documents. asked him to contact Tristate environment, who responded for cleanup for any documents. if no documents available, then asked him to find source of release and if required schedule site visit with person from Tristate who can show source area. Mathew will call back.

02/04/08-Hiralkumar Patel. received call from Mathew. nobody has any documents regarding oil spill investigation and cleanup. discussed with DEC Austin. he asked for scaled site map with all tank system and vacuum test for each tank system at site. spoke with Mathew and asked him to test each tank system and to provide site map with all tank system locations (including tank, pipings, fill ports, boiler). asked Mathew to mention, on map, about which part aboveground and which is underground.

NO ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.

All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
No dropped spills found for this category			

NO CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 **GEORGE MOTCHIAN DETENTION** **Spill Number: 9811097** **Close Date: 05/11/2006**
15-15 HAZEN ST RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2500 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: JMROMMEL

Spiller: KAMAL BHUIYAN - GEORGE MOTCHIAN DETENTION
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
DIESEL	UNKNOWN	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

UNK WHAT IS GOING TO HAPPEN FROM HERE.POSSIBLE ISOLATION TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
06/25/04 - Transfered from Tibbe to Rommel.

Letter sent 1/27/2006 to obtain more info.

Sent strong followup 2/21/06.

Closure report submitted 4/27/06. No photos, no DEC rep at closure, and no GW data. Low level SVOCs remain- does not meet standards without groudwater data confirmation.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **SOUTH BROTHERS ISLAND** **Spill Number: 9608994** **Close Date: 10/19/1996**
SOUTH BROTHERS ISLAND BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2276 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10474

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: PETIT OFFICER KISIBA
DEC Investigator: O'DOWD

Spiller: UNKNOWN
Notifier Name: COAST GUARD BOAT
Caller Agency: US COAST GUARD
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7937
Contact Person Phone: (212) 668-7937

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/19/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	55.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

unidentified blue plastic 55 gallon container washed up on the shore of brothers island - container is not leaking

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 5 **RIKERS ISLAND POWERHOUSE** **Spill Number: 8808953** **Close Date: 12/04/1992**
16-16 HAZEN STREET EAST ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL) Spiller: ALBERT DEISO - NYC DEPT OF CORRECTION Spiller Phone: (718) 546-1429
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: DONALD CHAMBERLAIN Caller Agency: NYC DEPT OF CORRECTION Caller Phone: (718) 728-4652
DEC Investigator: SIGONA Contact for more spill info: ROBERT MOLLOY Contact Person Phone: (718) 546-1499

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/15/1989	12/04/1992	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

PORTABLE TANK PUNCTURED OR POSSIBLE LEAKING VALVE SPILLED ON DIRT ROADAPPROX 200 GAL CONTAINED WITH SAND & BACKHOE, 2ND SPILL DUE TO BROKEN RETURN OIL LINE,SANDED AREA,TO DISPOSE OF CONTAMINATED SOIL.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

MAJOR ONSHORE FACILITY (MOSF) LICENSE NO. 2-2620. ON-SITE GROUNDWATER MONITORING WELLS MONITORED ON MONTHLY BASIS.

Map Identification Number 6 **INSIDE PPOWER HOUSE-FL 1** **Spill Number: 0202449** **Close Date: 06/06/2002**

16-16 HAZEN ST EAST ELMHURST - RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PATRICIA FEENEY
DEC Investigator: MXTIPPLE

Spiller: INSIDE PPOWER HOUSE-FL 1
Notifier Name: JOHN BIASI
Caller Agency: NEW YORK CITY CORRECTIONS
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/06/2002		EQUIPMENT FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SMALL RUPTURE IN THE FUEL LINE - ALL CONTAINED INSIDE THE FACILITY - CLEAN UP IN PROGRESS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
6/6/2002 4:45PM Approx 3 hours after the spill - Sangesland called Patricia Feeney at NYC Corrections (718-956-8778).

She said there was a 20 gal spill of #2 fuel oil to a basement "contained" area. No floor drains were impacted. Floor has no cracks, no "escape" of product. By 4 PM she said the area was all cleaned up.

Spill Closed

Map Identification Number 7 **POWER HOUSE** **Spill Number: 0109604** **Close Date: 03/10/2003**
16-16 HAZEN ST EAST ELMHURST - RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Spiller: JOHN MATRONA - POWER HOUSE
Spiller Phone: (516) 293-8800
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name: JOHN MATRONA
Caller Agency: JAMES MCCULLAGH CO
Caller Phone: (516) 293-8800
DEC Investigator: EXROSSAN
Contact for more spill info: JOHN MATRONA
Contact Person Phone: (516) 293-8800

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/10/2001		HOUSEKEEPING	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER REMOVED 4 UST AND SOIL SAMPLES TAKEN SHOWED CONTAMINATED SOIL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROSSAN"
03/10/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 8 **RIKERS ISLAND** **Spill Number: 9904187** **Close Date: 07/09/1999**
FUEL OIL LOADING DOCK QUEENS, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Spiller: NYC DEPT OF CORRECTIONS
Spiller Phone:
Notifier Type: Responsible Party
Notifier Name: JOHN MARINO
Notifier Phone: (718) 546-1499
Caller Name: JOHN MARINO
Caller Agency: NYC DEPT OF CORRECTIONS
Caller Phone: (718) 546-1499
DEC Investigator: WOOLSEY
Contact for more spill info: JOHN MARINO
Contact Person Phone: (718) 546-1499

Spill Class: NO SPILL OCCURRED;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/09/1999		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

*** DRILL *** DRILL ***

OCC'D WHILE OFF LOADING OIL FROM BARGE AT THE DOCK

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 9 **RIKER'S ISLAND** **Spill Number: 9603216** **Close Date: 06/07/1996**
1616 HAZAN ST
QUEENS, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: TANK TRUCK
Spiller: JIM CAREY - CASTLE OIL
Spiller Phone: (718) 579-3413
Notifier Type: Affected Persons
Notifier Name: FRANK COLLINS
Notifier Phone: (718) 546-1499
Caller Name: FRANK COLLINS
Caller Agency: DEPT OF CORRECTIONS
Caller Phone: (718) 546-1499
DEC Investigator: JMKRIMGO
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/07/1996		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	500.00	GALLONS	500.00	GALLONS	SURFACE WATER

Caller Remarks:

spill on delivery dock (DRILL) - fuel transfer hose broke - cleanup company enroute

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"

Map Identification Number 10 **RIKERS ISLAND DOCK** **Spill Number: 9405373** **Close Date: 07/20/1994**

RIKERS ISLAND DOCK EAST ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Spiller: EKLOF MARINE
Spiller Phone:
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: BOB TORPIE
Caller Agency: DEPT. OF CORRECTIONS
Caller Phone: (718) 546-1499
DEC Investigator: KSTANG
Contact for more spill info:
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/20/1994	07/20/1994	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10000	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

(RUPTURED LINE-WILL CALL OIL POLL. ON DELIVERY BARGE) JUST A DRILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 11 **RIKERS ISLAND** **Spill Number: 9404329** **Close Date: 10/31/2003**

RIKERS ISLAND- FUEL DOCK ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Spiller: DEPT OF CORRECTIONS
Spiller Phone: (718) 546-1499
Notifier Type: Local Agency
Notifier Name:
Notifier Phone:
Caller Name: FRANK COLLINS
Caller Agency: DEPT OF CORRECTION
Caller Phone: (718) 546-1499
DEC Investigator: JMKRIMGO
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/28/1994		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

TAING OUT FUEL BY BARGE-RUPTURED FUEL HOSE. CONTAINMENT BOOMS OUT TYREE BROS. ENVIRONMENTAL SERVICE WILL BE NOTIFIED TO CLEAN UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Booms deployed. Tyree performing the cleanup.

10/31/03. No further action possible. Closed out.

Map Identification Number 12 **RIKERS ISLAND OBCC STAT** **Spill Number: 9304269** **Close Date: 12/09/2003**
16-16 HAZEN STREET QUEENS, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 583 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL) Spiller: NYC DGS Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: JOE FAIRCLAUGH Caller Agency: P.T.L. ENVIR. CONSULTANT Caller Phone: (201) 262-4141
DEC Investigator: SIGONA Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/30/1992		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LOOKS LIKE EQUIP OVER THE YRS - SOIL HAS BEEN REMOVED AND STOCK PILED ON SITE - ANTHONY SIGONA IS AWARE OF SITE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

11/29/94: SOIL TO BE REMOVED AND DISPOSED.

10/10/95: This is additional information about material spilled from the translation of the old spill file: 300 CUBIV SOIL.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY

0109600	JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0109601	MOD 10 - AMKC, JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0109603	MAINTENANCE SHOP AMKC	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0306146	ANNA M KROSS CENTER	18-18 HAZEN STREET	RIKERS ISLAND
0202631	ANNA M KROSS CENTER	18-18 HAZEN ST	EAST ELMHURST
0303679	AMKC	1818 HAZEN STREET	QUEENS
0204744	WEST FACILITY	16-06 HAZEN ST	EAST ELMHURST
0011303	RIKERS ISLAND WEST FACILI	16-16 HAZEN STREET	EAST ELMHURST
9502988	SOUTH BROS. ISLAND-RIKERS	SO. BROS. ISLAND/RIKERS	BROOKLYN

OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 13 **RIKERS ISLAND POWER HOUSE** **Facility Id 2-2620**
16-16 HAZEN STREET EAST ELMHURST, NY 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 1616 HAZEN STREET
Revised zip code: NO CHANGE

TANK NUMBER	TANK STATUS	PETROLEUM PRODUCT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
#6 F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
1-#2 F.O	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
1-DIESEL	IN SERVICE	DIESEL	10000	UNDERGROUND	00/00
2-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
2-DIESEL	IN SERVICE	DIESEL	10000	UNDERGROUND	00/00
3-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
3-DIESEL	IN SERVICE	DIESEL	20000	UNDERGROUND	00/00
4-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
4-DIESEL	IN SERVICE	DIESEL	20000	UNDERGROUND	00/00
5-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
6-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
7-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	34537	UNDERGROUND	00/00
8-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	38802	UNDERGROUND	00/00
9-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	42208	UNDERGROUND	00/00
10-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	44134	UNDERGROUND	00/00
2-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
3-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
4-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
5-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
6-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 14 **RIKERS ISLAND POWERHOUSE** **Facility Id: 2-607229** **Source: NYS DEC**
16-16 HAZEN STREET EAST ELMHURST, NY 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 12/03/2006
Operator Name: JOHN A. BIASI
Operator Phone #: (718) 546-1488
Owner Name:
Owner Company: CITY OF NEW YORK DEPT. OF CORRECTIONS
Owner Type: Local Government
Owner Address: 60 HUDSON STREET, NEW YORK, NY 10013

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1-#2FOU	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
1-DIESEL	Closed - In Place	Diesel	10000	Underground			11/01/2001
2-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
2-DIESEL	Closed - In Place	Diesel	10000	Underground			11/01/2001
3-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
3-DIESEL	Closed - In Place	Diesel	20000	Underground			11/01/2001
4-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
4-DIESEL	Closed - In Place	Diesel	20000	Underground			11/01/2001
5-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
6-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
A41256	In Service	Diesel	20000	Underground	11/01/2001		
A41404	In Service	Diesel	20000	Underground	11/01/2001		
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
1-#2 F.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
2-#2 F.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
3-#2F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
4-#2F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
5-#2F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		

**** TANK INFO CONTINUES ON NEXT PAGE ****

6-#2F.O IN SERVICE #1 2 OR 4 FUEL OIL 40000 UNDERGROUND 08/01/1999

TANK NUMBER:	1-#2FOU	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Vault (w/o access)
PIPING EXT. PROTECTN:	Original Sacrificial Anode	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	1-DIESEL	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Groundwater Well	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	2-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	2-DIESEL	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Groundwater Well	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	3-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	3-DIESEL	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Groundwater Well	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	4-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	4-DIESEL	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Groundwater Well	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	5-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	6-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	A41256	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	A41404	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

The following tank data pertains to a tank or tanks that were either deleted from the reported data or the tank number was re-assigned.

TANK NUMBER:	1-#2 F.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	2-#2 F.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	3-#2F.O.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	4-#2F.O.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	5-#2F.O.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	6-#2F.O	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

Map Identification Number 15 **OTIS BANTUM CORR. CENTER** **Facility Id: 2-187720** **Source: NYS DEC**
16-00 HAZEN STREET EAST ELMHURST - RIKERS, NY 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 579 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 06/05/2007
Operator Name: BOB MOSS
Operator Phone #: (718) 546-6475
Owner Name: TANVIR AHMAD - PROJECT MANAGER
Owner Company: NYC DEPT OF CORRECTION
Owner Type: Local Government
Owner Address: 60 HUDSON ST, NEW YORK, NY 10013

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	#2 Fuel Oil	20000	Underground	12/01/1986		07/07/2006
002	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	12/01/1987		
003	In Service	#2 Fuel Oil	25000	Underground	04/01/1993	11/19/2002	
004	In Service	#2 Fuel Oil	25000	Underground	04/01/1993	11/25/2002	

NO HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 16 **NYC CORRECTIONS-RIKER'S ISLAND POWER HS** **Facility Id: 3600500016** **State-county CDS Id: 3600500016**
16-16 HAZEN STREET FLUSHING, NY 11370 State-county NED id: 36005DC02
EPA (FINDS) Name: RIKERS ISLAND
EPA (FINDS) Address: 14-14 HAZEN STREET BRONX 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

CDS-ID: 00016 NED-ID: DC02 EPA-ID: NYD980289375 FINDS-ID: NYD980289375
Plant Phone #1: None Given Plant Phone #2: (000)374-5694
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING
Regulatory Air Program: NON-FEDERALLY REPORTABLE SOURCE Program Status: OPERATING
Regulatory Air Program: TITLE V PERMITS Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE
Pollutant: TOTAL PARTICULATE MATTER
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
Rikers Island Power Plant
Bronx, NY 11370

* Any ERNS Spills listed below are NOT mapped in this report *

POTENTIALLY ONSITE ERNS:

****

Spill Number (ID): 183765 Spill Date: 10/23/1990

Location: RIKERS ISLAND BRONX
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: FLUSHING BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: NONE

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING

Miscellaneous: SHEEN SIZE 10 FT. X 1/4 MILE. RAINBOW SHEEN.

****

Spill Number (ID): 610176 Spill Date: 01/30/1999

Location: 17-17 HAZEN ST.
Spill City: E. ELMMHURST NY 11370

Material	Quantity	Units	Pounds	Quantity Released	Units	Casno

Spilled	Spilled			in Water	
OIL: DIESEL	15.00	GAL	105.00	15.00	GAL

Potentially Responsible Party (Discharger): RIKERS ISLAND CORRECTION
Discharger Address: 17-17 HAZEN ST.
E. ELMMHURST NY 11370
Dun and Bradstreet Number: Organization Type: STATE GOVERNMENT

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: PAVEMENT > STORM DRAIN > EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: CO. WILL INSTALL CONTAINMENT AT FUEL STATION/ PROBLEM ONGOING UNTIL PROBLEM FIXED

Description: FUELING STATION / NO CONTAINMENT / RELEASED DIESEL ON PAVEMENT > STORM DRAIN > EAST RIVER

Miscellaneous: CALLER HAD NO WEATHER CONDITIONS CALLER HAD NO ADDITIONAL INFORMATION

****

Spill Number (ID): 641437 Spill Date: 08/24/1999

Location: RIKERS ISLAND
Spill City: BRONX NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
MERCURY	2.00	LBS	2.00	0.00	UNK	90958879

Potentially Responsible Party (Discharger): KEYSPAN ENERGY
Discharger Address:
LONG ISLAND NY
Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected:
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: IMPROPER OPERATION Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: RELEASED AT LEAST TWO LBS POSSIBLY MORE/DEP HAS ORDERED RP TO UTILIZE SERVICES OF SRC TO CLEANUP SPILL

Description: BOILER SYSTEM METERS BOILER SYSTEM METERS/RELEASE OCCURRED WHILE BOILERS WERE BEING REMOVED EXCESS DEBRIS WAS THROWN OU
TSIDE BUILDING

Miscellaneous: SIZE OF IMPACTED AREA:UNKNOWN TO CALLER

****

Spill Number (ID): 102332 Spill Date: 02/15/1989

Location:
Spill City: NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
DIESEL FUEL	300.00	GAL	2100.00	0.00	UNK	

Potentially Responsible Party (Discharger): RIKER'S ISLAND PENITENTIARY
Discharger Address:
QUEENS NY 11370
Dun and Bradstreet Number: Organization Type: LOCAL GOVERNMENT

Medium(s) Affected:
Air: F Land: T Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: SOIL
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: EXCAVATED CONTAMINATED SOIL,

Description: 2 PORTABLE GENERATOR STORAGE TANKS/ LEAKY VALVE AND BROKEN FUEL LINE

Miscellaneous:

****

Spill Number (ID): 181648 Spill Date: 09/27/1990

Location: RIKERS ISLAND PRISON FCLT BOILER PLANT
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
OIL, FUEL: NO. 6	20.00	GAL	160.00	20.00	GAL	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: MARINE − RELEASED FROM A MARINE VESSEL TO INLAND WATERWAY. (NRC)

Action: BOOM DEPLOYED AROUND VESSEL AND CONTRACTOR HAS BEEN CALLED

Description: SUSPECTED LEAK IN THE BARGE LAURIE B.

Miscellaneous:

****

Spill Number (ID): 324169 Spill Date: 06/01/1993

Location: EAST RIVER BWTN RIKERS ISLAND & COLLEGE PT
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: MSO INVESTIGATORS EN ROUTE TO AREA.

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING SHEEN SIZE: UNKNOWN. STRONG SMELL OF PRODUCT IN THE AIR.

Miscellaneous:

****

Spill Number (ID): 542154 Spill Date: 06/30/1997

Location: RIKERS ISLAND BRIDGE HAZEN ST
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
PAINT	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger): RUST MARINE
Discharger Address:

Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: BOWERY BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: NONE

Description: AN ANONYMOUS CALLER STATES THAT THE COMPANY IS CONDUCTING WORK ON A BRIDGE AND IS DUMPING SAND BLAST GRID,CONRETE AND I
S OVERSPRAYING PAIN

Miscellaneous: THE USCG RECEIVED THIS REPORT AS AN ANONYMOUS CALL / WILL NOTIFY THE NY DEC AND NYC DEP / THE CALLER HAD NO OTHER INF
ORMATION

****

Copyright 2008 Toxics Targeting, Inc. March 26, 2008 'Rikers Island Power Plant'

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D03	CONRAIL OAK POINT YARD			10474
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0208155	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	RIKERS ISLAND	11370

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9913747	RIKERS ISLAND	10-10 HAZEN ST	EAST ELMHURST	11370
0010058	BY GERNERATOR 60	MANDINICI RD	RIKERS ISLAND	11370

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9409348	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX	11370

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9506254	GUN HILL DEPOT	GUN HILL DEPOT	BRONX	10469
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN
0610526	BASEMENT TANK ROOM	EASTERN BLVD DRAW BRIDGE	BRONX	UNKNOWN
0208209		1616 HAZEN ST	QUEENS	11370

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
8909328	EAST RIVER/QUEENS	EAST RIVER	ASTORIA	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9806747	LONG ISLAND SOUND	NEAR THRONGS NECK BRIDGE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611168	6 TO 6 1/2 MILES NORTHEAS	T OF LAGUARDIA AIRPORT	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9311823	EAST RIVER WHITE STONE BR	EAST RIVER WHITE STONE BR	BRONX	10465
8602725	DIESEL ODOR, BRONX	BETWEEN THROGS NECK BRIDG	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN

0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0507728	LONG ISLAND SOUND	LONG ISLAND SOUND	BRONX	UNKNOWN
0410985	LONG ISLAND SOUND	WEST OF THROGSNECKS BRIDG	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0407227	EAST RIVER (ROCKS/WATER)	SUNSET TRAIL/EXPWY	BRONX	UNKNOWN
0200100	EAST RIVER	WHITESTONE BRIDGE	BRONX	UNKNOWN
0101368	HUNTSPOINT REGULATOR #11	NONE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
0004934	VAULT 2052	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
9503263	FLUSHING BAY	FLUSHING BAY	COLLEGE POINT	UNKNOWN
9912728	RIKERS ISLAND	18-18 HAZEN ST	EAST ELMHURST	11370
0706767	ON A ROAD	17-17 HAZEN ST	EAST ELMHURST	11370
0613345	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	EAST ELMHURST	11370
9411422	UNK	1616 HAZEN ST	ELMHURST	11370
0308573	RYKERS ISLAND	RYKERS ISLAND	ELMHURST	11370
8504087	UNKNOWN	UNKNOWN	FLUSHING	UNKNOWN
0204522	EXACT AREA UNKNOWN	FLUSHING BAY	FLUSHING	UNKNOWN
9708436	BARGE	NORTH TIP RIKERS ISLAND	NASSAU	11370
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
8807936	EAST RIVER/ASTORIA/QUEENS	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
0211535	FLUSHING BAY	UNKNOWN ST FLUSHING BAY	NEW YORK CITY	UNKNOWN
9809115	RIKERS ISLAND PRISON	16-16 HAZEN ST	QUEENS	11370
9709506	RIKERS ISLAND	RIKERS ISLAND	QUEENS	11370
9513153	BUOY 18 EAST RIVER	BUOY 18 EAST RIVER	QUEENS	UNKNOWN
9315581	EAST OF BOUY #9	EAST OF BOUY #9	QUEENS	UNKNOWN
9312485	BACELLENA PT. LIGHT #7.	BACELLENA PT. LIGHT #7.	QUEENS	UNKNOWN
9312321	1414 HAZEN ST.	1414 HAZEN ST.	QUEENS	11370
9302750	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	QUEENS	11370
9206327	DOCK FOR COMMUTER III	DOCK FOR COMMUTER III	QUEENS	UNKNOWN
9204759	BASIN AND JAMAICA BAY	BASIN AND JAMAICA BAY	QUEENS	UNKNOWN
8906104	BOWERY BAY OFF EAST RIVER	BOWERY BAY OFF EAST RIVER	QUEENS	11370
8503213	FLUSHING QUEENS	FLUSHING QUEENS	QUEENS	UNKNOWN
8502975	UNKNOWN	ASTORIA	QUEENS	UNKNOWN
0703139	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	QUEENS	11370
0402446	CLEARVIEW PUMP STATION	CLEARVIEW PUMP STATION	QUEENS	UNKNOWN
0311257	VAULT V3292	RIKERS ISLAND SHELTER C95	QUEENS	11370
0310273	614 OPPOSITE 26 FLUSHING	614 OPPOSITE 26 FLUSHINGS	QUEENS	UNKNOWN
0300613	FLUSHING BAY	VORTEX BUILDING	QUEENS	UNKNOWN
0206290	FLUSHING BAY	N OF PORPOISE BRIDGE	QUEENS	UNKNOWN
0204721	FLUSHING BAY	UNK‘	QUEENS	UNKNOWN
0106536	0	FLUSHING CREEK	QUEENS	UNKNOWN
0009995	RIKERS ISLAND	MANDINISI RD	QUEENS	11370
0006269	RIVER	EAST RIVER	QUEENS	UNKNOWN
0004027	UNDER THROGS NECK BRIDGE	12TH AVE THROGS NECK BRDG	QUEENS	UNKNOWN
0003912	UNDER THROGS NECK BRIDGE	12TH AVE THROGS NECK BR	QUEENS	UNKNOWN
8603213	BETWEEN TNK&WSTN BRS	BETWEEN TNK&WSTN BRS	WHITESTONE	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9509775	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA	11370
9307306	1717 HAZEN STREET	1717 HAZEN STREET	ASTORIA	11370
9303558	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	ASTORIA	11370
9007039	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA	11370
8904358	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA	11370
9911775	ON 181ST ST	IFO WEST GATE HOUSE	BRONX	UNKNOWN
9905504		GUN HILL RD & BUSSING AVE	BRONX	UNKNOWN
9810375	SUNY MARITIME	HANUS STREET	BRONX	UNKNOWN

9701192	RYKERS ISLAND/ BRONX	PRISON	BRONX	11370
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
9200564	RIKERS ISLAND AUTO REPAIR SHOP DOC –DDC	17–17 HAZEN STREET	BRONX	11370
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0710690	STREET	NORTH ON ROSNECK BRIDGE	BRONX	UNKNOWN
0612658	SADDLE TANK	THROGSNECK BRIDGE	BRONX	UNKNOWN
0602583	APARTMENT BUILDING	5775 MARSHALL LEW AVE	BRONX	UNKNOWN
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0300375	EAST RIVER	W/ OF THROGS NECK BRIDGE	BRONX	UNKNOWN
0006606	RIKERS ISLAND AUTO REPAIR SHOP DOC –DDC	17–17 HAZEN STREET	BRONX	11370
0003714	PHELAM YARD MAIN TRACK	MILE POST E–15	BRONX	UNKNOWN
9812448	RIKER‘S ISLAND	16–16 HAZEN STREET	EAST ELMHURST	11370
9614298	16–16 HAZEN ST	16–16 HAZEN STREET	EAST ELMHURST	11370
9614190	RIKERS ISLAND PRISON	16–16 HAZEN STREET	EAST ELMHURST	11370
9202698	1717 HAZEN ST/CORRECTIONS	1717 HAZEN ST/TRANS GARAG	EAST ELMHURST	11370
9112722	RYKER‘S ISLAND/M O # 5	RYKER‘S ISLAND/M O # 5	EAST ELMHURST	11370
9107451	17–17 HAZEN ST/RIKERS IS	17–17 HAZEN ST	EAST ELMHURST	11370
9107119	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	EAST ELMHURST	11370
0305756	ON RIKERS ISLAND	10–10 HAZEN ST	EAST ELMHURST	11370
0109436	NYC DEP OF CORRECTIONS	RIKERS ISLAND	EAST ELMHURST	11370
0108077	RIKERS ISLAND – WEST FAC.	16–16 HAZEN STREET	EAST ELMHURST	11370
0100415	RYKERS ISLAND	16–06 HAZEN ST	EAST ELMHURST	11370
0002465	RIKERS ISLAND	1919 HAZEN ST	EAST ELMHURST	11370
9206497	STADIUM ROAD	STADIUM ROAD	FLUSHING	UNKNOWN
0209906	RIKERS ISLAND SOUTH PUMP	RIKERS ISLAND	MANHATTAN	11370
9906377	RIKERS ISLAND N	PUMPING STATION	NEW YORK	11370
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9006498	RIKERS ISLAND/EAST RIVER	RIKERS ISLAND	NEW YORK CITY	11370
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN
8904750	BYPASS/RIKERS ISLAND NO	RIKERS ISLAND NORTH	NEW YORK CITY	11370
8904749	RIKERS ISLAND/PUMP STA	RIKERS ISLAND PUMP STA	NEW YORK CITY	11370
8806179	NY POWER AUTHORITY BLDG	EAST RIVER	NEW YORK CITY	UNKNOWN
8803726	EAST RIVER/QUEENS/TTLI	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
8802706	VICKERS NORTH PUMP STA	VICKERS NORTH PUMP STA	NEW YORK CITY	11370
8605993	RIKERS ISLAND. QUEENS/DRA	RIKERS ISLAND CORRECTDEP	NEW YORK CITY	11370
9906197	RIKERS ISLAND	RIKERS ISLAND	QUEENS	11370
9703881	RIKER‘S ISLAND BRIDGE	HAZAN ST	QUEENS	11370
9606424	RIKERS ISLANDS PRISON	RIKERS ISLAND	QUEENS	11370
9507970	EAST RIVER AT COLLEGE PT	POWELL COVE	QUEENS	UNKNOWN
9506538	RIKERS ISLAND	HAZEN STREET	QUEENS	11370
9501753	17–17 HAVE STREET	17–17 HAVE STREET	QUEENS	11370
9308640	RYKERS IS. PLANT E. RIVER	RYKERS IS. PLANT E. RIVER	QUEENS	11370
9300011	RIKERS ISLAND	16–16 HAZEN STREET	QUEENS	11370
9204621	RIKERS ISLAND FACILITY	16–16 HAZEN STREET	QUEENS	11370
9200260	SANDY HOOK/L I SOUND	SANDY HOOK/L I SOUND	QUEENS	UNKNOWN
9111356	1717 HAZEN ST	1717 HAZEN ST	QUEENS	11370
9111296	RIKERS ISLAND NORTH	RIKERS ISLAND NORTH	QUEENS	11370
9109545	RIKER‘S ISLAND PUMP STA	RIKER‘S ISLAND PUMP STA	QUEENS	11370
9109275	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	QUEENS	11370
9109222	RIKER‘S ISLAND NORTH PUMP	RIKER‘S ISLAND NORTH PUMP	QUEENS	11370
9105085	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	QUEENS	11370
0709842	RIKERS ISLAND SO PUMP STA	RICKERS ISLAND	QUEENS	11370
0509498	BOWERY BAY	HIGH LEVEL REGULATOR 28	QUEENS	UNKNOWN
0108661	FRANCIS R BUONO BRIDGE	HAZEN STREET	QUEENS	11370
9906629	RIKERS ISLAND PRISON	16–16 HAZEN ST	RIKERS ISLAND	11370
9808977	NYC DEPT.OF CORECTIONS	1917 HAZEN ST	RIKERS ISLAND	11370
9309202	17–17 HAZEN STREET	17–17 HAZEN STREET	RIKERS ISLAND	11370
9111801	RIKER‘S ISLAND N STATION	PIKERS ISLAND N PUMP ST	RIKERS ISLAND	11370

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-187798	RIKERS ISLAND AUTO SERVICE	17-17 HAZEN STREET	EAST ELMHURST	11370
2-187739	NYC CORR INSTN FOR MEN	10-10 HAZEN STREET	**********	11370
2-187771	RIKERS ISLAND BAKERY	16-16 HAZEN STREET	**********	11370
2-601485	TELECOMMUNICATIONS BUILDING	14-12 HAZEN STREET	**********	11370
2-482501	AIDS MODULAR BUILDING, R.I.	8-08 HAZEN STREET	RIKERS ISLAND	11370

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYD981080369	NEW YORK CITY DEPT OF DESIGN & CONSTRUCT	1616 HAZEN ST	EAST ELMHURST	11370
NYD981487770	NYC CORRECTIONAL INSTITUTION FOR MEN	10-10 HAZEN ST	EAST ELMHURST	11370
NYD981487796	NYC NORTH FACILITY	16-00 HAZEN ST	EAST ELMHURST	11370
NYP004033817	CONSOLIDATED EDISON	V2641-RIKERS ISLAND	NEW YORK	11370
NYP004039327	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNO
NYP004051017	CONSOLIDATED EDISON	V4130-RIKERS ISLAND	NEW YORK	11370
NYP004051538	CONSOLIDATED EDISON	V4119-RIKERS ISLAND	QUEENS	11370
NYP004057592	CONSOLIDATED EDISON	MH26587	BRONX	UNKNOWN
NYP004070231	CONSOLIDATED EDISON	RED OAK	WESTCHESTER	UNKNOWN
NYP004087912	CONSOLIDATED EDISON	2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON	185 W321 ST MH8989	BRONX	UNKNOWN
NYP004120366	CONSOLIDATED EDISON	MH132	NEW YORK	UNKNOWN
NYP004127148	CONSOLIDATED EDISON	SCHWARTZ AVE	EAST CHESTER	UNKNOWN
NYP004128936	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON	?	BRONX	UNKNOWN
NY0000181412	NYSDOT	RIKER ISLAND BRIDGE	NEW YORK	11370
NYD981487713	NEW YORK STATE DEPT OF CORRECTIONS	RIKERS H D M 14-14 HAZEN ST	E ELMHURST	11370
NYD981487721	NEW YORK STATE DEPARTMENT OF CORRECTIONS	16-16 HAZEN STREET	EAST ELMHURST	11370
NYD981487754	NEW YORK CITY CORRECTIONAL INSTITUTE FOR	WOMEN - 15-15 HAZEN STREET	EAST ELMHURST	11370
NYD981487762	NEW YORK CITY DEPT OF CORRECTIONS	RICKERS ISLAND 17-17 HAZEN ST	QUEENS	11370
NYD986913994	NYCDOC - NURSERY BEACON	SHORE RD	EAST ELMHURST	UNKNOWN
NYP004001756	CONSOLIDATED EDISON	EAST RIVER	QUEENS	UNKNOWN
NYP004055513	CONSOLIDATED EDISON	V2419-RIKERS ISLAND	NEW YORK	11370
NYP004062279	CONSOLIDATED EDISON	V6044-RIKERS ISLAND	QUEENS	11370
NYP004082848	CONSOLIDATED EDISON	V4164 1900 HAZEN ST RIKERS ISL	QUEENS	11370

Hazardous Substance Waste Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0079	RIKERS ISLAND	16-16 HAZEN STREET	RIKERS ISLAND	11370

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYU900122	RIKERS ISLAND CORRECTIONS			11370
NYU990002	RIKERS ISLAND PRISON			11370

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3600500159	FAA-VOR/LAGUARDIA		RIKERS ISLAND	BRONX	11370
3608100750	NYC DEPT OF CORRECTIONS		RYKERS ISLAND	ELMHURST	11370
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 3/4/2008. Data obtained by Toxics Targeting: 3/4/2008.
New Facilities updated through: 3/4/2008. Data obtained by Toxics Targeting: 3/4/2008.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.
New Facilities updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 02/05/2008.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 02/05/2008 New spills through: 02/05/2008

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 10/29/2007. Data obtained by Toxics Targeting: 11/08/2007

20) **New York City Fire Department Tank Data**.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

Toxics Targeting Environmental Report

Rikers Island - Proposed Substation
Bronx, NY 11370

June 03, 2008

Privileged and Confidential.

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

Introduction..... **1**

- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

Section One: Your Report Summary..... **6**

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close-up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

© Toxics Targeting, Inc. 2008

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report*. It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of <u>identified sites by distance intervals</u>.

- Check Table Two to see identified sites sorted by <u>direction</u>.

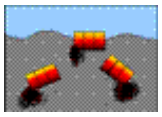
- Check Table Three to see identified sites ranked by <u>proximity to the target address</u>.

- Check Table Four to see identified sites <u>sorted by site categories</u>.

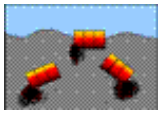
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

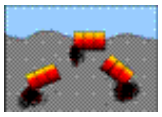
Search Radius

One-Mile 

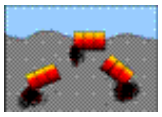
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

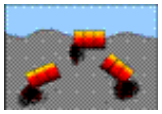
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

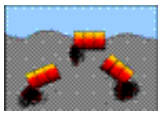
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

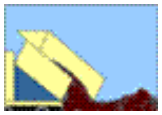
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

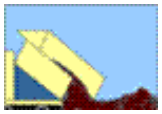
7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile 

10) ***New York City 1934 Solid Waste Sites****:* a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile

13) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile

14) ***New York State Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile

15) ***New York City Fire Dept Tank Data****:* tank data from 1997.

Eighth-Mile

16) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

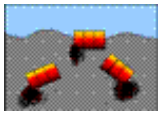
Eighth-Mile

17) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile

18) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile



19) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile

20) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile

21) ***Federal Air Discharges****:* air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile

23) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft)

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites****:* parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only

25) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. <u>Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere</u>. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	1	Not searched	1
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	0	1	1	Not searched	2
Active Spills - Unknown / Other Causes	0	0	1	2	Not searched	3
Active Spills - Miscellaneous Causes	0	0	0(1)	1(1)	Not searched	1(2)
Closed Tank Failures	0	0	0	1	Not searched	1
Closed Tank Test Failures	0	0	0	1	Not searched	1
Closed Spills - Unknown / Other Causes	0	0	7	8	Not searched	15
Closed Spills - Miscellaneous Causes	0	1	2(14)	6(34)	Not searched	9(48)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
RCRA Hazardous Waste Generators & Transporters	0	0	Not searched	Not searched	Not searched	0
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**0**	**1**	**11(15)**	**21(35)**	**0**	**33(50)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	1	Not searched	1
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	0	Not searched	Not searched	Not searched	0
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**0**	**0**	**0**	**1**	**Not Searched**	**1**
Distance Interval Totals	***0***	***1***	***11(15)***	***22(35)***	***0***	***34(50)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

Rikers Island - Proposed Substation
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

No sites found less than 100 feet from subject property

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
25	FRANCIS R BUONO BRIDGE	HAZEN STREET	417 feet to the S	Closed Status Spill (Misc. Spill Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
4	RIKERS ISLAND	10-10 HAZEN ST	1315 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
11	RIKERS ISLAND	18-18 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
12	RIKERS ISLAND PRISON	16-16 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
13	BARGE	NORTH TIP RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
14	ON A ROAD	17-17 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
15	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
16	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
26	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
27	NYC DEP OF CORRECTIONS	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
5	BY GERNERATOR 60	MANDINICI RD	1342 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
8		1616 HAZEN ST	1342 feet to the NNE	Closed Status Tank Failure
17	RIKERS ISLAND	RIKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
18	UNK	1616 HAZEN ST	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
19	1414 HAZEN ST.	1414 HAZEN ST.	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
20	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
21	VAULT V3292	RIKERS ISLAND SHELTER C95	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
22	RYKERS ISLAND	RYKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
23	RIKERS ISLAND	MANDINISI RD	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
28	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
29	RYKER‘S ISLAND/M O # 5	RYKER‘S ISLAND/M O # 5	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
30	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
31	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
32	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
33	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
9	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	1828 feet to the NNE	Closed Status Tank Test Failure
10	ARDC CENTER	1111 HAZEN ST	808 feet to the NE	Closed Status Spill (Unk/Other Cause)
2	ADOLESCENT DETENTION CENT	11-11 HAZEN STREET	842 feet to the NE	Active Tank Test Failure

1	RIKERS ISLAND	RIKERS ISLAND	2293 feet to the NE	CERCLIS Superfund NFRAP Site
34	RIKERS ISLAND	16-16 HAZEN STREET	2293 feet to the NE	Hazardous Substance Waste Disposal Site
7	ROSE M SINGER CNT	RIKERS ISLAND	2603 feet to the NE	Active Haz Spill (Misc. Spill Cause)
24	RIKERS ISLAND	ROSE M SINGER CENTER	2610 feet to the NE	Closed Status Spill (Unk/Other Cause)
3	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	2007 feet to the SSW	Active Tank Test Failure
6	1606 HAZEN	1606 HAZEN ST	2033 feet to the NW	Active Haz Spill (Unknown/Other Cause)

Identified Toxic Sites by Category

Rikers Island - Proposed Substation
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS Superfund NFRAP Sites -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	NYD980289375	RIKERS ISLAND	RIKERS ISLAND	2293 feet to the NE

Active Tank Test Failures -- Total Sites - 2

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	9811098	ADOLESCENT DETENTION CENT	11-11 HAZEN STREET	842 feet to the NE
3	0208155	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	2007 feet to the SSW

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 3

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	9913747	RIKERS ISLAND	10-10 HAZEN ST	1315 feet to the NNE
5	0010058	BY GERNERATOR 60	MANDINICI RD	1342 feet to the NNE
6	0209283	1606 HAZEN	1606 HAZEN ST	2033 feet to the NW

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
7	0002268	ROSE M SINGER CNT	RIKERS ISLAND	2603 feet to the NE

Closed Status Tank Failures -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
8	0208209		1616 HAZEN ST	1342 feet to the NNE

Closed Status Tank Test Failures -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
9	9811097	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	1828 feet to the NNE

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 15

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
10	0606019	ARDC CENTER	1111 HAZEN ST	808 feet to the NE
11	9912728	RIKERS ISLAND	18-18 HAZEN ST	1315 feet to the NNE
12	9809115	RIKERS ISLAND PRISON	16-16 HAZEN ST	1315 feet to the NNE
13	9708436	BARGE	NORTH TIP RIKERS ISLAND	1315 feet to the NNE
14	0706767	ON A ROAD	17-17 HAZEN ST	1315 feet to the NNE
15	0703139	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	1315 feet to the NNE
16	0613345	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	1315 feet to the NNE
17	9709506	RIKERS ISLAND	RIKERS ISLAND	1342 feet to the NNE
18	9411422	UNK	1616 HAZEN ST	1342 feet to the NNE
19	9312321	1414 HAZEN ST.	1414 HAZEN ST.	1342 feet to the NNE
20	9302750	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	1342 feet to the NNE
21	0311257	VAULT V3292	RIKERS ISLAND SHELTER C95	1342 feet to the NNE
22	0308573	RYKERS ISLAND	RYKERS ISLAND	1342 feet to the NNE
23	0009995	RIKERS ISLAND	MANDINISI RD	1342 feet to the NNE
24	9801252	RIKERS ISLAND	ROSE M SINGER CENTER	2610 feet to the NE

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 9

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
25	0108661	FRANCIS R BUONO BRIDGE	HAZEN STREET	417 feet to the S

26	8904358	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1315 feet to the NNE
27	0109436	NYC DEP OF CORRECTIONS	RIKERS ISLAND	1315 feet to the NNE
28	9200564	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	1342 feet to the NNE
29	9112722	RYKER'S ISLAND/M O # 5	RYKER'S ISLAND/M O # 5	1342 feet to the NNE
30	9109275	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	1342 feet to the NNE
31	9107119	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	1342 feet to the NNE
32	9105085	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	1342 feet to the NNE
33	9007039	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1342 feet to the NNE

Hazardous Substance Waste Disposal Sites -- Total Sites - 1 **Database searched at 1/2 MILE - Non-ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
34		RIKERS ISLAND	16-16 HAZEN STREET	2293 feet to the NE

Identified Toxic Sites by Proximity

Rikers Island - Proposed Substation, Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
25	FRANCIS R BUONO BRIDGE	HAZEN STREET	417 feet to the S	Closed Status Spill (Misc. Spill Cause)
10	ARDC CENTER	1111 HAZEN ST	808 feet to the NE	Closed Status Spill (Unk/Other Cause)
2	ADOLESCENT DETENTION CENT	11-11 HAZEN STREET	842 feet to the NE	Active Tank Test Failure
4	RIKERS ISLAND	10-10 HAZEN ST	1315 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
11	RIKERS ISLAND	18-18 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
12	RIKERS ISLAND PRISON	16-16 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
13	BARGE	NORTH TIP RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
14	ON A ROAD	17-17 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
15	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
16	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
26	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
27	NYC DEP OF CORRECTIONS	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
5	BY GERNERATOR 60	MANDINICI RD	1342 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
8		1616 HAZEN ST	1342 feet to the NNE	Closed Status Tank Failure
17	RIKERS ISLAND	RIKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
18	UNK	1616 HAZEN ST	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
19	1414 HAZEN ST.	1414 HAZEN ST.	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
20	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
21	VAULT V3292	RIKERS ISLAND SHELTER C95	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
22	RYKERS ISLAND	RYKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
23	RIKERS ISLAND	MANDINISI RD	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
28	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
29	RYKER‘S ISLAND/M O # 5	RYKER‘S ISLAND/M O # 5	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
30	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
31	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
32	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
33	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
9	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	1828 feet to the NNE	Closed Status Tank Test Failure
3	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	2007 feet to the SSW	Active Tank Test Failure
6	1606 HAZEN	1606 HAZEN ST	2033 feet to the NW	Active Haz Spill (Unknown/Other Cause)
1	RIKERS ISLAND	RIKERS ISLAND	2293 feet to the NE	CERCLIS Superfund NFRAP Site
34	RIKERS ISLAND	16-16 HAZEN STREET	2293 feet to the NE	Hazardous Substance Waste Disposal Site
7	ROSE M SINGER CNT	RIKERS ISLAND	2603 feet to the NE	Active Haz Spill (Misc. Spill Cause)
24	RIKERS ISLAND	ROSE M SINGER CENTER	2610 feet to the NE	Closed Status Spill (Unk/Other Cause)

Toxics Targeting
1 Mile Radius Map

Rikers Island - Proposed Substation

Bronx, NY 11370

Bronx County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

1/8 Mile Radius

1 0 1/8 1/4 1/2 1

Distance in Miles

Toxics Targeting
1/2 Mile Radius Map

Rikers Island - Proposed Substation

Bronx, NY 11370

Bronx County

Delisted NPL Site

CERCLIS Superfund Non-NFRAP Site

CERCLIS Superfund NFRAP Site

Hazardous Waste Treater, Storer, Disposer

Hazardous Substance Waste Disposal Site

Solid Waste Facility

Brownfields Site

Hazardous Material Spill

MTBE Gasoline Additive Spill

Site Location

Waterbody

County Border

Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

1/8 Mile Radius

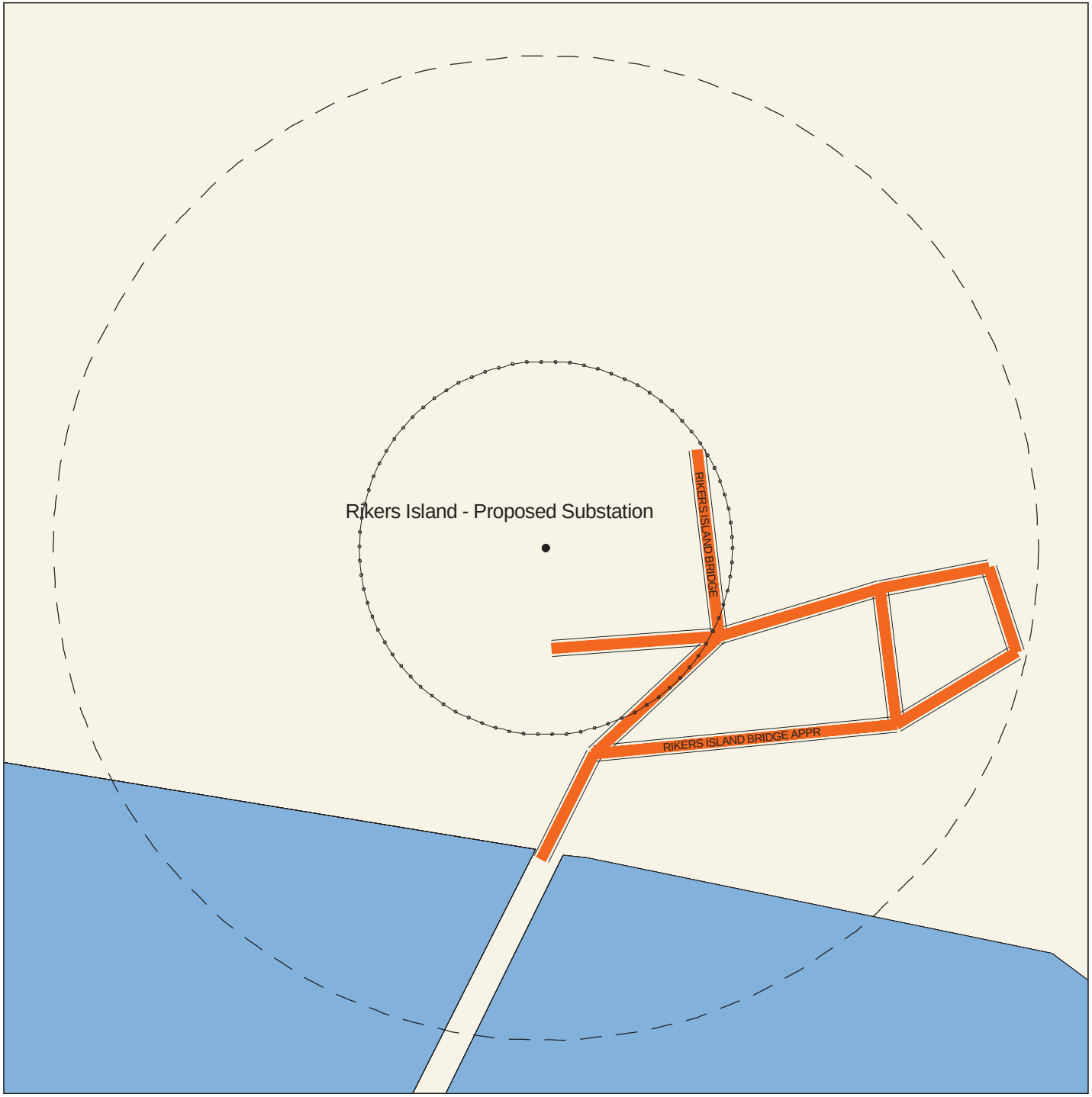
1/2 0 1/16 1/8 1/4 1/2

Distance in Miles

Toxics Targeting
1/8 Mile Radius Map

Rikers Island - Proposed Substation

Bronx, NY 11370



Bronx County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site
- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius

1/8 0 1/16 1/8

Distance in Miles

Toxics Targeting
1/8 Mile Closeup Map

Rikers Island - Proposed Substation

Bronx, NY 11370

Bronx County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****

- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

1/8 0 1/16 1/8

Distance in Miles

* 1 Mile Search Radius

** 1/2 Mile Search Radius

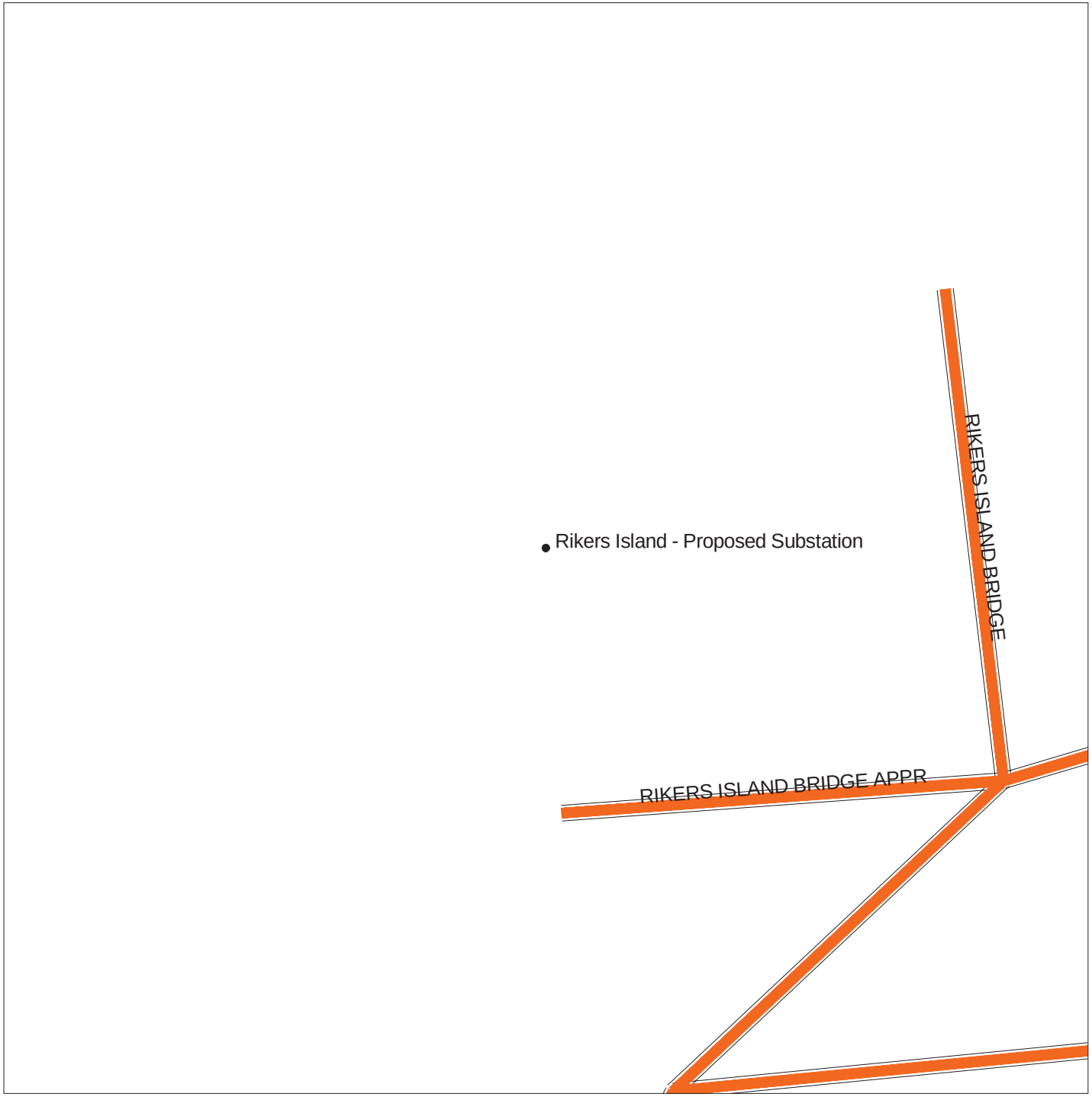
**** 1/8 Mile Search Radius

***** Onsite Search (250 Ft)

Toxics Targeting
Tax Parcel Map

Rikers Island - Proposed Substation

Bronx, NY 11370



Bronx County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- MTBE Gasoline Additive Spill
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation

- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

Rikers Island - Proposed Substation
Bronx, NY 11370

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
	Site not located on a parcel							
	Site not located on a parcel							

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
  (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **RIKERS ISLAND** **EPA Facility Id: NYD980289375**
RIKERS ISLAND BRONX, NY 11370 TT-Id: 240A-0000-126

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE - LARGE SITE
Approximate distance from property: 2293 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

****

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD980289375 Site-ID: 0201682
Site Name: RIKERS ISLAND
Site Street: RIKERS ISLAND
Site City/State/Zip: BRONX, NY 11370

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

USGS Hydrological Unit: 02030201 NPL Status Indicator: Not on the NPL
Incident Category: RCRA Flag:
Non-NPL Status: NFRAP Non-NPL Stat Date: 19900925
Federal Facility Flag: Not a Federal Facility

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: Discovery Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 19830301

Qualifier: Fin Budget Src:

Name: Preliminary Assessment Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 19830401
Qualifier: Low Fin Budget Src: Remedial

Name: Hazard Ranking System Package Start Date: Operable Unit ID: 00
Lead: Other Completion Date: 19830501
Qualifier: Fin Budget Src: Remedial

Name: Site Inspection Start Date: 19900701 Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 19900925
Qualifier: NFRAP (No Futher Remedial Action Planned) Fin Budget Src: Remedial

Name: Archive Site Start Date: Operable Unit ID: 00
Lead: EPA In-House Completion Date: 19900925
Qualifier: Fin Budget Src:

FINANCIAL INFORMATION

No financial information was provided

NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **ADOLESCENT DETENTION CENT** **Spill Number: 9811098** **Close Date:**
11-11 HAZEN STREET EAST ELMHURST - RIKERS ISLAND, NY 11370 TT-Id: 520A-0006-557

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 842 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: VSZHUNE

Spiller: KAMAL BHUIYAN - RIKERS ISLAND
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

ISOLATION TEST ON TANK WILL BE DONE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.

Map Identification Number 3 **NEW YORK CITY CORRECTIONS** **Spill Number: 0208155** **Close Date:**
RIKERS ISLAND BRIDGE RIKERS ISLAND, NY TT-Id: 520A-0137-477

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING - LARGE SITE
Approximate distance from property: 2007 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: RIKERS ISLAND BRDG
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NEW YORK CITY CORRECTIONS
Spiller Phone:
Notifier Type: Tank Tester
Notifier Name: MICHAEL COLLINS
Notifier Phone: (631) 586-4900
Caller Name: MICHAEL COLLINS
Caller Agency: FENLEY & NICOL
Caller Phone: (631) 586-4900
DEC Investigator: AHMED
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/06/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	FAIL
2	5000	Horner EZ Check I or II	0.00	FAIL
The following tank was deleted from the reported data. Data reflects last reported information.				
2	5000	Horner EZ Check I or II	0.00	GROSS LEAK RATE

Caller Remarks:

TANK 1 HAD 520 GALLONS OF WATER IN IT. WORK WAS PERFORMED ON BEHALF OF LIRO GROUP, MIKE BELDING, (516) 938-5476. MIKE BELDING HAS BEEN NOTIFIED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **RIKERS ISLAND** **Spill Number: 9913747** **Close Date:**
10-10 HAZEN ST EAST ELMHURST, NY TT-Id: 520A-0006-703

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: PATRICIA FEENEY
DEC Investigator: rvketani

Spiller: LIRO CONSTRUCTION
Notifier Name: PATRICIA FEENEY
Caller Agency: NYC DEPT CORRECTION
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (718) 956-8778
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/06/2000		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	275.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONSTRUCTION CREW CUT UNDERGROUND OIL TANK LINES

CLEANUP IN PROGRESS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"

30Jan2006 - Spoke with Patricia Feeney NYC Dept of Corr. She will send documentation of completion of clean-up.

9/7/06 - Austin - Assigned from Albany to Region 2 staff for review and closure - end

10/6/06 - Raphael Ketani. Patricia Feeney, Assistant Commissioner, Environmental Health, of the NYC Dept. of Corrections (718) 546-3090 is the contact. Construction crew was digging and cut the underground pipes for some oil tanks. 275 gals. of #2 oil were lost to the soil.

I tried calling Ms. Feeney, but she was out sick. I got her assistant, Director Marcia O'Connor of Environmental Health. She took my message.

1/11/07 - Raphael Ketani. I tried calling Ms. Feeney, but could only leave a voice mail.

1/12/07 - Raphael Ketani. Ms. Feeney called me back. She said that she never got the message that the DEC had called requesting documentation for the spill. She said that her assistant had left. She said she will go into the archives and dig out all of the documentation I need for the spill. She said that the spill had been completely cleaned up.

6/25/07 - Raphael Ketani. I made contact with Ms. Feeney's secretary/assistant. I left a message that I needed the cleanup report. The assistant assured me that Ms. Feeney would get the message.

I spoke to Ms. Feeney. She said that all of the records are boxed in trailers away from Rikers Island and things are a bit of a mess. She said that they found some of the records, but not the pipe repair and oil cleanup files. She asked for more time and what she should do next. I told she should keep looking for the records, but that she has already spent lots of time and 8 months have gone by without resolving the spill case. I told her she shouldn't spend much more time on looking. I told her that if nothing is found, then 2 soil borings will have to be done in the area of the formerly damaged tanks. She said that she will have to submit a procurement request to have the drilling done. It told her that it will be alright if she needs more time to get the drilling arranged. She said she will let me know by mid-July what will happen. I told her that would be fine.

10/24/07 - Raphael Ketani. I tried to contact Ms. Feeney, but could only leave a message requesting a new investigation.

12/7/07 - Raphael Ketani. I tried to contact Ms. Feeney (718) 546-3090, but could only leave a message with her secretary. She tried to connect me with G. Fargus Mathews (718) 546-3093, Deputy Commissioner, but I could only leave a message.

Mr. Mathews called and said he will look into the matter of the oil release.

12/19/07 - Raphael Ketani. I spoke to Mr. Mathews. He said that he had contacted some workers and they are supposed to be going through the old records to locate the spill cleanup files. He said that they should call him back with some type of answer in 3 days. Mr. Mathews said he will keep me informed as to whether they find the records. I told him that if the records can not be located, then they will have to do a new investigation. He said he was aware of this.

12/28/07 - Raphael Ketani. Mr. Mathews called and said that they are still looking for the documents verifying that the spill was cleaned up and that the fuel system was repaired or replaced.

1/31/08 - Raphael Ketani. I spoke to Commissioner Feeney. She said she had been out for 7 weeks and so things are piled up on her

desk. She said she is willing to have Tri State Environmental come in and do soil sampling in the vicinity of the formerly cut fuel line. I told her that is exactly what DEC wants. She said she will make the arrangements.

Map Identification Number 5 **BY GERNERATOR 60** **Spill Number: 0010058** **Close Date:**
MANDINICI RD RIKERS ISLAND, NY TT-Id: 520A-0212-979

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PATRICIA FEENEY
DEC Investigator: AHMED

Spiller: DEPT OF CORRECTIONS
Notifier Name: SUPPORT SERVICES
Caller Agency: NYC DEPT CORRECTION
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/06/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	50.00	GALLONS	50.00	GALLONS	SOIL

Caller Remarks:

THEY WORKED ON THE GENERATOR THE NIGHT BEFORE & WHEN THEY CAME THE NEXT MORNING THEY FOUND THE OIL HAD SPILLED - SPEEDY DRY & ABOSRBANT FOR CLEAN UP

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 6 **1606 HAZEN** **Spill Number: 0209283** **Close Date:**
1606 HAZEN ST EAST ELMHURST, NY TT-Id: 520A-0212-949

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2033 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	CALLER - 1606 HAZEN ST	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	MARSHA OCONNOR	Caller Agency:	NYS DEPT OF CORRECTIONS	Caller Phone:	(718) 956-8778
DEC Investigator:	HRPATEL	Contact for more spill info:	CALLER	Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/10/2002		UNKNOWN	2-601484	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING FROM STORAGE TANK. LEAK STOPPED. CLEANUP CREW CONTACTED AND RESPONDING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
12/10/02 - 9:35am: Tristate Environmental is on the way for clean up. - 12:00PM: Several 275 ASTs located at west area in Rikers Island. Inventory showed that 100 gal fuel lost in a 48 hour period. Assuming that pipline at one tank behind builging 19 in west area in Rikers Island leaked. Tri-state Lisa Howard (914) 589-8418 states that tri-state will perform a line test to conform the leak and will contact DEC after the test. jz

1000 GAL AST. 518-402-9543 BOB, TASO.

4/12/04-Vought-Spill transferred from Sangesland to Rommel as per Rommel.

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Patel) for review and closure - end

11/01/06-Hiralkumar Patel. left message for Ms. Oconnor (PH.: 718-546-3090/3091/3092).
11/16/06-Hiralkumar Patel. spoke with Ms. Oconnor. she asked to call Ms. Patricia Feeney (718-546-3090) tomorrow.

12/01/06-Hiralkumar Patel. left message for Ms. Feeney.

12/04/06-Hiralkumar Patel. received call from Ms. Feeney. as per her, tristate did cleanup. she will check her records and will send letter report about cause of release, area impacted and method of cleanup.

12/27/06-Hiralkumar Patel. left message for Ms. Feeney.
03/16/07-Hiralkumar Patel. left message for Ms. Feeney.
06/06/07-Hiralkumar Patel. spoke with Ms. Feeney. she will check her record storage area for any reports.

07/05/07-Hiralkumar Patel. left message for Ms. Feeney.
10/11/07-Hiralkumar Patel. spoke with Ms. Feeney. she mentioned that she has faxed letter in Jan. 2007, but i haven't received any. she will fax letter again.

11/01/07-Hiralkumar Patel. spoke with Ms. Feeney. after initial fax in Jan 2007, they put documents back in storgae and are currently looking for it and will send once gets it.

01/14/08-Hiralkumar Patel. spoke with Mr. Kazi at Ms. Feeney's office. he asked to contact Mr. Geevarughese, who handles this matter.

Mathew Geevarughese
Dept. Director, OSHA
PH. (718) 546-3093/3091 (O)
(347) 386-7060 (C)

spoke with Mathew. he will look for report.

01/22/07-Hiralkumar Patel. received message from Mathew aksing for spill number. left message for Mathew with spill number.
01/31/08-Hiralkumar Patel. spoke with Mathew. he is looking for report.
02/01/08-Hiralkumar Patel. received call from Mathew. he couldn't find any documents. asked him to contact Tristate environment, who responded for cleanup for any documents. if no documents available, then asked him to find source of release and if required schedule site visit with person from Tristate who can show source area. Mathew will call back.

02/04/08-Hiralkumar Patel. received call from Mathew. nobody has any documents regarding oil spill investigation and cleanup. discussed with DEC Austin. he asked for scaled site map with all tank system and vacuum test for each tank system at site. spoke with Mathew and asked him to test each tank system and to provide site map with all tank system locations (including tank, pipings, fill ports, boiler). asked Mathew to mention, on map, about which part aboveground and which is underground.

ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.

All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 7 **ROSE M SINGER CNT** **Spill Number: 0002268** **Close Date:**
RIKERS ISLAND EAST ELMHURST, NY TT-Id: 520A-0014-099

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2603 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Citizen
Caller Name: ANONOMOUS
DEC Investigator: Needs Reassignment

Spiller: UNKNOWN - NYC DEPT OF CORRECTIONS
Notifier Name: SAME
Caller Agency:
Contact for more spill info: UNK

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (000) 000-0000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/13/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	5000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller is an employee at above location. caller wishes not to be

identified. caller states a transfer switch failed at above location causing above material to be spilled. location is in

area mods # 17,18,19,20 in area of generator. caller states the

small tanks under generator is what leaked. generator #83,84,85,86.

caller believes material went into ground around generators.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
4/12/04-Vought-Spill transferred from Tipple to Rommel as per Rommel.

Transferred to Rutland during the Spill Reduction initiative.

9/13/2005 Spoke to Patricia Feeney ((718)546-1900). She will review file and get back to me. - Rutland

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0514987	RIKERS ISLAND CORRECTIONA	11-11 HAZEN ST	EAST ELMHURST
9409348	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX

CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 8 **Spill Number: 0208209** **Close Date: 11/14/2003**

1616 HAZEN ST QUEENS, NY TT-Id: 520A-0212-952

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: BOB ABRANO
DEC Investigator: JMROMMEL

Spiller: NYC DEPT OF CORRECTIONS
Notifier Name: SAME
Caller Agency: GEMSTAR/OMEGA
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 967-7377
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/07/2002		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL DISCOVERED AROUND TANK FROM SAMPLES TAKEN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
contaminated soils letter sent/od/mt

1/14/2003-Vought-Duty desk received message from Patricia Sweeny (Dept. of Corrections) that report will be sent to NYSDEC by

1/21/2003.

Closed. To be investigated and remediated under spill 0011303

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 9 **GEORGE MOTCHIAN DETENTION** **Spill Number: 9811097** **Close Date: 05/11/2006**
15-15 HAZEN ST RIKERS ISLAND, NY TT-Id: 520A-0136-830

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1828 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: KAMAL BHUIYAN - GEORGE MOTCHIAN DETENTION
Spiller Phone: (212) 266-1889
Notifier Type: Tank Tester
Notifier Name:
Notifier Phone:
Caller Name: MIKE GIUSTINIANI
Caller Agency: STATE ENVIRONMENTAL SERVI
Caller Phone: (718) 265-3355
DEC Investigator: JMROMMEL
Contact for more spill info: KAMAL BHUIYAN
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
DIESEL	UNKNOWN	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

UNK WHAT IS GOING TO HAPPEN FROM HERE.POSSIBLE ISOLATION TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
06/25/04 - Transfered from Tibbe to Rommel.

Letter sent 1/27/2006 to obtain more info.

Sent strong followup 2/21/06.

Closure report submitted 4/27/06. No photos, no DEC rep at closure, and no GW data. Low level SVOCs remain- does not meet standards without groudwater data confirmation.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 10 **ARDC CENTER** **Spill Number: 0606019** **Close Date: 08/25/2006**
1111 HAZEN ST EAST ELMHURST, NY TT-Id: 520A-0212-954

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 808 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: CARMELO SAIA - ARDC CENTER
Spiller Phone: (917) 299-2146
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: rmpiper
Contact for more spill info: CARMELO SAIA
Contact Person Phone: (917) 299-2146

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/24/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	5000	Unknown	0.00	UNKNOWN
The following tank was deleted from the reported data. Data reflects last reported information.				
	5000	Unknown	0.00	UNKNOWN

Caller Remarks:

Did tank closer and used a geoprobe around tank. Took soil and water samples. Results showed a hit of MTBE. Tank was closed in place.

DEC Investigator Remarks:

DEC Piper phoned Tina At Gemstar. AS per database, spill was already called in. Tina gave old spill as well. 0514987. Piper had this spill in past and referred to remediation due to gw exceedances. This spill 0606019 is closed see 0514987

Map Identification Number 11 **RIKERS ISLAND** **Spill Number: 9912728** **Close Date: 01/09/2001**
18-18 HAZEN ST EAST ELMHURST, NY TT-Id: 520A-0212-953

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PATRICIA FEENEY
DEC Investigator: JMROMMEL

Spiller: NYC DEPT OF CORRECTIONS
Notifier Name: WARREN & PANZER ENGINEERS
Caller Agency: NYC DEPT CORRECTION
Contact for more spill info: PATRICIA FEENEY

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone: (718) 956-8778

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states soil sample taken during excavation showed contamination - products include benzo a pyrene,benzo fluotanthene,

benzo ghi perilene, benzo k fluoranthene, chrysene,fluoranthene,

indio 123 cd pyrene, napthelene and pyrene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

4/19/00 REASSIGNED FROM ODOWD.

Map Identification Number 12 **RIKERS ISLAND PRISON** **Spill Number: 9809115** **Close Date: 10/21/1998**
16-16 HAZEN ST QUEENS, NY TT-Id: 520A-0006-702

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Fire Department
Caller Name: FIRE DISP 241
DEC Investigator: SMMARTIN

Spiller:
Notifier Name:
Caller Agency: NYC FIRE DEPT
Contact for more spill info: DIVISION 14

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 476-6200
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
METHANE	OTHER	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

STRONG ODOR OF METHANE GAS ON RIKERS ISLAND UNK WHERE IT IS

COMMING FROM - FIRE DISPATCH CAN CONTACT DIVISION 14

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
COPY TO DIV. OF AIR (MOHAMMED)

FAXED TI DEP HAZMAT,AIR

Map Identification Number 13 **BARGE** **Spill Number: 9708436** **Close Date: 11/08/2001**
NORTH TIP RIKERS ISLAND NASSAU, NY TT-Id: 520A-0212-978

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Federal Government
Caller Name: PETTY OFFICER NAUSS
DEC Investigator: TOMASELLO

Spiller: VIKING TUGBOAT
Notifier Name: ECKLOFF MARINE
Caller Agency: US COAST GUARD
Contact for more spill info: PETTY OFFICER NAUSS

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 354-4156
Contact Person Phone: (718) 354-4121

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/18/1997	11/08/2001	OTHER	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

POTENTIAL SPILL-NO SPILL AS OF YET-TUGBOAT HIT BOTTOM AND THERE IS

POTENTIAL FOR #6 OIL SPILL. NYCPD AND COAST GUARD ON WAT FOR BOOM

DEPLOYMENT.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 14 **ON A ROAD** **Spill Number: 0706767** **Close Date: 09/19/2007**
17-17 HAZEN ST EAST ELMHURST, NY TT-Id: 520A-0014-678

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Spiller: PATRICIA FEENEY - ON A ROAD
Spiller Phone: (917) 681-4386 ext. C
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: hrpatel
Contact for more spill info: PATRICIA FEENEY
Contact Person Phone: (917) 681-4386 ext. C

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/18/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LUBE OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LESS THAN 1/2 GALLON; PORTABLE GENTERATOR SPILL PAN TIPPED WHILE ON INCLINE - ; HAS BEEN CLEANED;

DEC Investigator Remarks:

all cleaned up.

Map Identification Number 15 **ROADWAY / RIKERS ISLAND** **Spill Number: 0703139** **Close Date: 06/18/2007**
RIKERS ISLAND QUEENS, NY TT-Id: 520A-0212-958

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL VEHICLE
Spiller: BILL KEENAN - ROADWAY / RIKERS ISLAND
Spiller Phone: (347) 203-0591 ext. C
Notifier Type: Local Agency
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: smsanges
Contact for more spill info: BILL KEENAN
Contact Person Phone: (347) 203-0591 ext. C

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/15/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CAME FROM BUS THAT HIS A POT HOLE IN THE ROAD, THERE IS A MTA SERVICE TRUCK THERE CURRENTLY APPLYING ABOSORBENT PADS:

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 16 **NYC SUPPORT SERVICE CENTE** **Spill Number: 0613345** **Close Date: 03/13/2007**
1616 HAZEN STREET EAST ELMHURST, NY TT-Id: 520A-0006-665

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: PATRICIA FEENEY - NYC SUPPORT SERVICE CENTE
Spiller Phone: (718) 546-3090
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: smsanges
Contact for more spill info: PATRICIA FEENEY
Contact Person Phone: (718) 546-3090

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/13/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

the 5 gallon can caught fire and 1-2 gallons spilled out: miller enviormental is enroute to cleaned up and is all conatined:
unknown how fire started

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 17 **RIKERS ISLAND** **Spill Number: 9709506** **Close Date: 11/17/1997**
RIKERS ISLAND QUEENS, NY TT-Id: 520A-0212-957

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Local Agency
Caller Name: JANET MORALES
DEC Investigator: MMMULQUE

Spiller: UNKNOWN
Notifier Name: COAST GUARD
Caller Agency: DEP
Contact for more spill info: NONE

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

THERE WAS A 20" X 1' OIL SHEEN - SHEEN IS GONE NOW

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"

Map Identification Number 18 **UNK** **Spill Number: 9411422** **Close Date: 10/03/1997**
1616 HAZEN ST ELMHURST, NY TT-Id: 520A-0129-364

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Spiller: UNK
Spiller Phone:
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: UNASSIGNED
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/28/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "XX"
SPILL CLOSED DUE TO INSUFFICIENT DATA.

Map Identification Number 19 **1414 HAZEN ST.** **Spill Number: 9312321** **Close Date: 01/20/1994**
1414 HAZEN ST. QUEENS, NY TT-Id: 520A-0129-361

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Spiller: UNK
Spiller Phone:
Notifier Type: Affected Persons
Notifier Name:
Notifier Phone:
Caller Name: BETSY
Caller Agency: DEP
Caller Phone: (718) 595-6700
DEC Investigator: CAMMISA
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/20/1994	01/20/1994	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

DEPT OF CORRECTIONS TRANSFORMER FIRE NEAR TELEPHONE POLE - DEP ON SITE TRANSFORMER INSTALLED AUG 1992 - CONTAINED NON-PCB OIL. CLEAN UP DIRECTED BY DEPT. OF CORRECTIONS AND DEP.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: SPRAY OF OIL TELF.

Map Identification Number 20 **RIKERS ISLAND &COLLEGE PT** **Spill Number: 9302750** **Close Date: 06/01/1993**
RIKERS ISLAND &COLLEGE PT QUEENS, NY TT-Id: 520A-0129-359

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Spiller: UNK
Spiller Phone:
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name: CHEF BONNE
Caller Agency: USCG
Caller Phone: (212) 668-7936
DEC Investigator: KSTANG
Contact for more spill info:
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/1993	06/01/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	AIR

Caller Remarks:

USCG SENDING TEAM, NOTIFIED DEP CALLED USCG, CITIZEN SAW AN OIL SHEEN ON WATER AND STRONG SMELL OF PETROLEUN, DON'T KNEW SIZE OF

SHEEN. CALLED USCG BACK - NO ACTION TAKEN.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG."

Map Identification Number 21 **VAULT V3292** **Spill Number: 0311257** **Close Date: 03/10/2004**

RIKERS ISLAND SHELTER C95 QUEENS, NY TT-Id: 520A-0212-959

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: PAUL DIDONETO
DEC Investigator: SKARAKHA

Spiller:
Notifier Name: MR. WAINWRIGHT
Caller Agency: CON ED
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6764
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANUP PENDING LAB RESULTS. ALL CONTAINED TO VAULT. NO FIRES OR INJURIES.

DEC Investigator Remarks:

01/05/2004 10:55 HRS.

G. GORMAN #46513 REPORTS AT 10:55 HRS FOUND APPROX. 1 GAL. UNKNOWN OIL ON APPROX. 15 GAL. WATER IN V-3292. VAULT CONNECTED TO V-3474 WHERE HE FOUND SUMP PUMP UNPLUGGED. THREE ATTACHED STRUCTURES: V-3734 (OIL SHEEN ON 1 GAL WATER), BUS COMPARTMENT (OIL SHEEN ON 10 GAL WATER), AND V-5678 (NO OIL). SAMPLES WILL BE TAKEN WHEN FEEDER IS DEENERGIZED.

TRANSFORMER INFORMATION FROM ECC WAREHOUSE FOR V-3292:

Feeder: Q01, Serial # H390737, Mfr: GE, Mfr Date: 12/01/1974, Installed: 04/14/1997. PCB Sample Date: 9/09/1994, 20 ppm, Lab Seq # 9406204003.

TRANSFORMER INFORMATION FROM ECC WAREHOUSE FOR V-3734:

Feeder: , Serial # H373857, Mfr: GE, Mfr Date: 08/01/1974, Installed: 04/14/1997. PCB Sample Date: 06/21/2001, 2 ppm, Lab Seq # 106461002.000

13:15 HRS RECHECKED OIL LEVEL WITH ANOTHER HOCKEY PUCK AND FOUND THE OIL LEVEL TO BE AT MIN. PRESSURE TESTED OK. ADDED OIL TO UNIT

TO BRING UP LEVEL. TWO OIL SAMPLES TAKEN FROM SPILL FOR OIL ID & PCB.

RECEIVED TWO PCB RESULTS FOR VAULT 3292:

LAB SEQ # 04-00042-001, 14 PPM, AROCLOR 1254 (WATER & OIL SAMPLE FROM VAULT)

LAB SEQ # 04-00042-002, 12 PPM, AROCLOR 1254 (OIL SAMPLE FROM TRANSFORMER)

1/12/04 ENVIR OPPS REPORTS V-3292 V-3734 AND BUS COMPARTMENT WERE DOULBED WASHED USING BIO-GEN 760. GORMAN NETW REPORTS PRESSURE TESTED AND HELD OK. HE ADDED 10 GALLONS OF OIL. LEVEL IS AT 25 PLUS AT THIS TIME.

Map Identification Number 22 **RYKERS ISLAND** **Spill Number: 0308573** **Close Date: 11/13/2003**
RYKERS ISLAND ELMHURST, NY TT-Id: 520A-0212-955

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JASPER DEAN
DEC Investigator: SMSANGES

Spiller: UNKNOWN
Notifier Name:
Caller Agency: CITIZEN
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 410-0752
Contact Person Phone:

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;NO CORR ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/13/2003		UNKNOWN	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER SAYS THERE ARE TOO MANY PEOPLE THAT WORK ON THAT ISLAND THAT HAVE DIFFERENT TYPES OF CANCERS AND SHE WOULD LIKE THE ISLAND TESTED TO SEE WHAT THE PROBLEM IS - SHE WOULD LIKE A CALL BACK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Forwarded caller to city dept of health tel #311

Map Identification Number 23 **RIKERS ISLAND** **Spill Number: 0009995** **Close Date: 12/14/2000**
MANDINISI RD QUEENS, NY TT-Id: 520A-0212-980

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: CAPT FRANK DEBIASE
DEC Investigator: JMKRIMGO

Spiller: CAPT FRANK DEBIASE - RIKERS ISLAND
Notifier Name: CAPT FRANK DEBIASE
Caller Agency: NYC CORRECTIONS
Contact for more spill info: CAPT FRANK DEBIASE

Spiller Phone: (718) 546-1422
Notifier Phone: (718) 546-1422
Caller Phone: (718) 546-1422
Contact Person Phone: (718) 546-1422

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/05/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

speedy dry put down is contained - cleanup is starting now

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"

CLEANED UP BY RP.

Map Identification Number 24 **RIKERS ISLAND** **Spill Number: 9801252** **Close Date: 05/29/1998**
ROSE M SINGER CENTER QUEENS, NY TT-Id: 520A-0212-956

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2610 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MARK TUROFF
DEC Investigator: SIGONA

Spiller: MARK TUROFF - RIKERS ISLAND
Notifier Name: GREEN GOLD DEVEL.CORP.
Caller Agency: PET. TECH INC
Contact for more spill info: MARK TUROFF

Spiller Phone: (718) 761-4334
Notifier Phone: (718) 721-6677
Caller Phone: (718) 761-4334
Contact Person Phone: (718) 761-4334

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/29/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING WORK THEY FOUND CONTAMINATED SOIL AND RESULTS OF TESTING CAME BACK SHOWING GAS IN SOIL

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

This is a jail at Rikers Island. There are no tanks in the excavation. Lab results showed gasoline contamination. Excavation was done for a new building. URS is a CM for this job (Kenrick Williams 718-262-0086). David is a contractor from Green Gold Corporation. URS does not want to do any environmental work at the site. I instructed Mark Turoff to excavate all contaminated soil, take post-excavation samples and install borings if necessary. Alex Zhitomirsky 04/29/98

DEC (SIGONA) REVEIWED RESULTS OF FOUR SOIL BORINGS. Groundwater analysis meets STARS Guidance values for fuel oil constituents. Letter sent to URS/DDC dated May 29, 1998 to close the spill case.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 25 **FRANCIS R BUONO BRIDGE** **Spill Number: 0108661** **Close Date: 07/31/2003**
HAZEN STREET QUEENS, NY TT-Id: 520A-0212-975

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING - LARGE SITE
Approximate distance from property: 417 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: PASSENGER VEHICLE
Spiller: UNKNOWN
Spiller Phone:
Notifier Type: Local Agency
Notifier Name: ASST DEPUTY WARDEN HECKER
Notifier Phone:
Caller Name: PATRICIA FEENEY
Caller Agency: NEW YORK CITY CORRECTIONS
Caller Phone: (718) 956-8778
DEC Investigator: MXTIPPLE
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/28/2001		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	3.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

TRAFFIC ACCIDENT ON THE BRIDGE. RADIATOR RUPTURED ON A MITSUBISHI GALANTE. MOST SPILLED ONTO THE ROADWAY. A SMALL AMOUNT MAY HAVE GONE INTO THE RIVER. SPILL ON BRIDGE BEING CLEANED UP WITH SPEEDI DRY. NRC ALSO NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
7/31/2003 tipple updating/// antifreeze is an unregulated substance//nfa

Map Identification Number 26 **RIKERS ISLAND PRISON** **Spill Number: 8904358** **Close Date: 12/09/2003**
16-16 HAZEN STREET ASTORIA, NY TT-Id: 520A-0006-700

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Local Agency
Caller Name: ANTHONY SIGONA
DEC Investigator: SIGONA

Spiller: RIKERS ISLAND NYCDOC
Notifier Name:
Caller Agency: NYSDEC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482-4933
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/31/1989		HOUSEKEEPING	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NYCFD, NYCDEP & NYSDEC ON SCENE, METHANE GAS IS BEING RELEASED FROM ANABANDONED LANDFILL, RIKERS ISLAND PRISON WILL HIRE AN ENVIRONMENTAL CONSULTANT TO SOLVE THE PROBLEM,

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: METHANE GAS.
11/29/95: Historical Spill- Free product plume under the ground.

Map Identification Number 27 **NYC DEP OF CORRECTIONS** **Spill Number: 0109436** **Close Date: 08/26/2003**
RIKERS ISLAND EAST ELMHURST, NY TT-Id: 520A-0212-965

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYC DEPT OF CORRECTIONS
Spiller Phone:
Notifier Type: Citizen
Notifier Name:
Notifier Phone:
Caller Name: REFUSED
Caller Agency: REFUSED
Caller Phone: (000) 000-0000
DEC Investigator: SIGONA
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/31/2001		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2000	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

Caller says that back in late october there was a spill of a couple of thousand gallons of # 2 oil that was covered over w/ gravel..says that it did get into the water also. it's at the generator site, west facility.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 28 **RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC** **Spill Number: 9200564** **Close Date: 05/10/2005**
17-17 HAZEN STREET BRONX, NY TT-Id: 520A-0129-370

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: TANK TRUCK
Spiller:
Spiller Phone:
Notifier Type: Affected Persons
Notifier Name:
Notifier Phone:
Caller Name: P MARCUNE
Caller Agency: NYC DEPT OF CORR
Caller Phone: (212) 349-6800
DEC Investigator: AIIslam
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1992		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	250.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FUEL ON SOIL;

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
TRANSFERRED TO I. ISLAM
5/10/05- The site is currently under active remediation by O'Brien-Kreitzberg and URS Corp. under another spill # 9409348 at the site. Therefore, it is OK to close this spill to consolidate with the spill # 9409348. -II.

Map Identification Number 29 **RYKER'S ISLAND/M O # 5** **Spill Number: 9112722** **Close Date: 03/14/1992**
RYKER'S ISLAND/M O # 5 EAST ELMHURST, NY TT-Id: 520A-0129-369

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: RYKER'S ISLAND
Spiller Phone:
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: CAP'T PALAZZO
Caller Agency: NYC DEPT OF CORRECTIONS
Caller Phone: (718) 546-1419
DEC Investigator: MCTIBBE
Contact for more spill info:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/13/1992	03/14/1992	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

AUTO TRANSFER PUMP MALFUNCTIONED. SOME FUEL IN STORM SEWER. SPILL CONTAINED. SAND APPLIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

Map Identification Number 30 **RIKERS ISLAND CORRECTION** **Spill Number: 9109275** **Close Date: 12/01/1991**

RIKERS ISLAND CORRECTION QUEENS, NY TT-Id: 520A-0129-348

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller:
Spiller Phone:
Notifier Type: Fire Department
Notifier Name:
Notifier Phone:
Caller Name: HERMAN
Caller Agency: NYCFD
Caller Phone: (718) 753-1424
DEC Investigator: O'DOWD
Contact for more spill info:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/30/1991	12/01/1991	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 31 **1616 HAZEN ST/RYKERS ISL** **Spill Number: 9107119** **Close Date: 10/03/1991**
1616 HAZEN ST/RYKERS ISL EAST ELMHURST, NY TT-Id: 520A-0129-355

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: TOMASELLO

Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/1991	10/03/1991	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

WATER COIL IN FUEL TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 32 **RIKERS IS. N PUMP STATION** **Spill Number: 9105085** **Close Date: 08/11/1991**
RIKERS IS. N PUMP STATION QUEENS, NY TT-Id: 520A-0129-345

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: TOMASELLO

Spiller: NYCDEP
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/11/1991	08/11/1991	EQUIPMENT FAILURE	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

PUMP FAILURE. REPULLED BYPASS FLOW-BUT STILL BYPASSING.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

/ / : REFFERED TO JOE MANDALA-SPEDES.

10/10/95: This is additional information about material spilled from the translation of the old spill file: SEWAGE BYPASS

Map Identification Number 33 **RIKERS ISLAND PRISON** **Spill Number: 9007039** **Close Date: 11/15/1994**
16-16 HAZEN STREET ASTORIA, NY TT-Id: 520A-0129-349

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Federal Government
Caller Name: CLIFF HANGER
DEC Investigator: SIGONA

Spiller: BARGE LAURIE B
Notifier Name:
Caller Agency: USCG
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7920
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RESPONSIBLE PARTY;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/27/1990	11/15/1994	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

FUEL LEAKING FROM BARGE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

11/15/94: BERMAN ENTERPRISE WAS PUT UNDER A SUMMARY ABATEMENT IN PART FOR THIS SPILL EVENT AT RIKERS ISLAND. CLEANUP SUPERVISED BY DEC & USCG.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0209906	RIKERS ISLAND SOUTH PUMP	RIKERS ISLAND	MANHATTAN
8904750	BYPASS/RIKERS ISLAND NO	RIKERS ISLAND NORTH	NEW YORK CITY
9006498	RIKERS ISLAND/EAST RIVER	RIKERS ISLAND	NEW YORK CITY
9614298	16-16 HAZEN ST	16-16 HAZEN STREET	EAST ELMHURST
9614190	RIKERS ISLAND PRISON	16-16 HAZEN STREET	EAST ELMHURST
9309202	17-17 HAZEN STREET	17-17 HAZEN STREET	RIKERS ISLAND
9509775	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA
0006606	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX
9701192	RYKERS ISLAND/ BRONX	PRISON	BRONX
0305756	ON RIKERS ISLAND	10-10 HAZEN ST	EAST ELMHURST
0108077	RIKERS ISLAND - WEST FAC.	16-16 HAZEN STREET	EAST ELMHURST
9606424	RIKERS ISLANDS PRISON	RIKERS ISLAND	QUEENS
9506538	RIKERS ISLAND	HAZEN STREET	QUEENS
9906629	RIKERS ISLAND PRISON	16-16 HAZEN ST	RIKERS ISLAND
9109222	RIKER'S ISLAND NORTH PUMP	RIKER'S ISLAND NORTH PUMP	QUEENS
9109545	RIKER'S ISLAND PUMP STA	RIKER'S ISLAND PUMP STA	QUEENS
9111801	RIKER'S ISLAND N STATION	PIKERS ISLAND N PUMP ST	RIKERS ISLAND
9303558	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	ASTORIA
8701019	N & S RIKERS ISLAND PUMP	NORTH/SOUTH PUMP STATION	RIKERS ISLAND
8802706	VICKERS NORTH PUMP STA	VICKERS NORTH PUMP STA	NEW YORK CITY
8904749	RIKERS ISLAND/PUMP STA	RIKERS ISLAND PUMP STA	NEW YORK CITY
8605993	RIKERS ISLAND. QUEENS/DRA	RIKERS ISLAND CORRECTDEP	NEW YORK CITY
9111296	RIKERS ISLAND NORTH	RIKERS ISLAND NORTH	QUEENS

9204621	RIKERS ISLAND FACILITY	16-16 HAZEN STREET	QUEENS
9300011	RIKERS ISLAND	16-16 HAZEN STREET	QUEENS
9308640	RYKERS IS. PLANT E. RIVER	RYKERS IS. PLANT E. RIVER	QUEENS
9307306	1717 HAZEN STREET	1717 HAZEN STREET	ASTORIA
9111356	1717 HAZEN ST	1717 HAZEN ST	QUEENS
9202698	1717 HAZEN ST/CORRECTIONS	1717 HAZEN ST/TRANS GARAG	EAST ELMHURST
9107451	17-17 HAZEN ST/RIKERS IS	17-17 HAZEN ST	EAST ELMHURST
9808977	NYC DEPT.OF CORECTIONS	1917 HAZEN ST	RIKERS ISLAND
0002465	RIKERS ISLAND	1919 HAZEN ST	EAST ELMHURST
9812448	RIKER‘S ISLAND	16-16 HAZEN STREET	EAST ELMHURST
0100415	RYKERS ISLAND	16-06 HAZEN ST	EAST ELMHURST
9906197	RIKERS ISLAND	RIKERS ISLAND	QUEENS
9501753	17-17 HAVE STREET	17-17 HAVE STREET	QUEENS
0709842	RIKERS ISLAND SO PUMP STA	RICKERS ISLAND	QUEENS
9906377	RIKERS ISLAND N	PUMPING STATION	NEW YORK
0202631	ANNA M KROSS CENTER	18-18 HAZEN ST	EAST ELMHURST
0303679	AMKC	1818 HAZEN STREET	QUEENS
0109603	MAINTENANCE SHOP AMKC	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0306146	ANNA M KROSS CENTER	18-18 HAZEN STREET	RIKERS ISLAND
0109601	MOD 10 - AMKC, JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0204744	WEST FACILITY	16-06 HAZEN ST	EAST ELMHURST
0011303	RIKERS ISLAND WEST FACILI	16-16 HAZEN STREET	EAST ELMHURST
0006805	MANHOLE NYCMH1E	RIKER ISLAND BRIDE APPROC	QUEENS
9703881	RIKER‘S ISLAND BRIDGE	HAZAN ST	QUEENS
0109600	JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND

NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 34 **RIKERS ISLAND** **Site Number Id: HS2038** **Registry Id: N**
16-16 HAZEN STREET RIKERS ISLAND, NY 11370 TT-Id: 840A-0000-038

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE - LARGE SITE
Approximate distance from property: 2293 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site Study

Inventory Status: Currently Listed in the Hazardous Substance Inventory

SITE INFORMATION

Site Name: RIKERS ISLAND
Site Street: 16-16 HAZEN STREET
Site City: RIKERS ISLAND
Site Zip: 11370
Region: 2

Site Number: HS2038
Registry: No
Registry Site ID: None
RCRA: Unknown
EPA ID: NYD980289375

US EPA No Further Remedial Action Planned? Unknown

Site Code: 3B
Description: INDUSTRIAL LANDFILL

Acres: 505.00
Completed Investigation? FDSI,SI
Is Site Active: Unknown
Years of Operation: 1920 to Unknown

Quadrangle: Unknown
HRS Score: Unknown
HRS Date: Unknown

Site Description:
Fill material from refuse and possible dredged material was disposed here during the early 1900's. The site presently houses 5 NYS prision facilities with a total inmate and employee population of about 13000.

Sanitary landfilling takes place.

Owner:	Municipal	Operator:	Municipal
Owner Name:	CITY OF NY	Operator Name:	DEPT. OF CORRECTION
Owner Street:	225 BROADWAY	Operator Street:	16-16 HAZEN ST.
Owner City/ZIP/State:	NYC, NY 10007	Operator City/ZIP/State:	E.ELMHURST, NY 11370
Owner Telephone:	(212)374-7935	Operator Telephone:	(212)726-8114

SITE IMPACT DATA

Affected Media:

		Hazardous Substance Exposed?	Unknown
Contamination of...		Controlled Site Access?	Yes
...Surface Water?	Unknown	Ambient Air Contamination?	Unknown
...Groundwater?	Unknown	Threat of Direct Contact?	Unknown
...Drinking Water?	No	Documented Fish or Wildlife Mortality?	No
Surface Water Class:	Unknown	Impact on Special Status Fish or Wildlife Resource?	No
Groundwater Class:	Sole	Active Drinking Water Supply?	Unknown

Descriptions:

Surface Water:
The nearest surface water distance is less than 5 miles in all directions because the site is an island.

Groundwater:
The nearest ground water depth is 20-30 feet.

Drinking Water:	None provided
Fish or Wildlife Mortality:	None provided
Special Status Fish or Wildlife Resource:	None provided
Building:	None provided

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: Environment/Public Health

Threat Posed by Disposed Hazardous Substance:
Improper burial of wastes may result in exposure to environment and public.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: No Semi-VOCs: No PCBs: No Pesticides: Yes Metals: Yes Asbestos: No

Hazardous Substances Disposed:
Sludge(1000gal.), pesticides(500lbs.), and other organic chemicals(500 gal.) are know to be on site.

SELECTED ANALYTICAL INFORMATION:

Samples Collected:
Subsurface Soil

Air:	None provided
Surface Water:	None provided
Surface Soil:	None provided
Waste:	None provided
EPToxicity:	None provided
Groundwater:	None provided
Sediment:	None provided

Subsurface Soil:
PAH's, 4,4'-DDT(510 ug/kg), arsenic(199 mg/kg), mercury(17 mg/kg), copper(2000 mg/kg), & cadmium(23.6 mg/kg)

Leachate:	None provided
TCLP:	None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:
EPA

Preparer:
Julie Welch NYSDEC, Intern, RPI Env.Eng.Tech. 1 February 14, 1994

NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO AIR DISCHARGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
Rikers Island
Bronx, NY 11370

* Any ERNS Spills listed below are NOT mapped in this report *

POTENTIALLY ONSITE ERNS:

****

Spill Number (ID): 183765 Spill Date: 10/23/1990

Location: RIKERS ISLAND BRONX
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: FLUSHING BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: NONE

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING

Miscellaneous: SHEEN SIZE 10 FT. X 1/4 MILE. RAINBOW SHEEN.

****

Spill Number (ID): 610176 Spill Date: 01/30/1999

Location: 17-17 HAZEN ST.
Spill City: E. ELMMHURST NY 11370

Material	Quantity	Units	Pounds	Quantity Released	Units	Casno

Spilled	Spilled			in Water	
OIL: DIESEL	15.00	GAL	105.00	15.00	GAL

Potentially Responsible Party (Discharger): RIKERS ISLAND CORRECTION
Discharger Address: 17-17 HAZEN ST.
E. ELMMHURST NY 11370
Dun and Bradstreet Number: Organization Type: STATE GOVERNMENT

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: PAVEMENT > STORM DRAIN > EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: CO. WILL INSTALL CONTAINMENT AT FUEL STATION/ PROBLEM ONGOING UNTIL PROBLEM FIXED

Description: FUELING STATION / NO CONTAINMENT / RELEASED DIESEL ON PAVEMENT > STORM DRAIN > EAST RIVER

Miscellaneous: CALLER HAD NO WEATHER CONDITIONS CALLER HAD NO ADDITIONAL INFORMATION

****

Spill Number (ID): 641437 Spill Date: 08/24/1999

Location: RIKERS ISLAND
Spill City: BRONX NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
MERCURY	2.00	LBS	2.00	0.00	UNK	90958879

Potentially Responsible Party (Discharger): KEYSPAN ENERGY
Discharger Address:
LONG ISLAND NY
Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected:
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: IMPROPER OPERATION Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: RELEASED AT LEAST TWO LBS POSSIBLY MORE/DEP HAS ORDERED RP TO UTILIZE SERVICES OF SRC TO CLEANUP SPILL

Description: BOILER SYSTEM METERS BOILER SYSTEM METERS/RELEASE OCCURRED WHILE BOILERS WERE BEING REMOVED EXCESS DEBRIS WAS THROWN OU
TSIDE BUILDING

Miscellaneous: SIZE OF IMPACTED AREA:UNKNOWN TO CALLER

****

Spill Number (ID): 102332 Spill Date: 02/15/1989

Location:
Spill City: NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
DIESEL FUEL	300.00	GAL	2100.00	0.00	UNK	

Potentially Responsible Party (Discharger): RIKER'S ISLAND PENITENTIARY
Discharger Address:
QUEENS NY 11370
Dun and Bradstreet Number: Organization Type: LOCAL GOVERNMENT

Medium(s) Affected:
Air: F Land: T Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: SOIL
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: EXCAVATED CONTAMINATED SOIL,

Description: 2 PORTABLE GENERATOR STORAGE TANKS/ LEAKY VALVE AND BROKEN FUEL LINE

Miscellaneous:

****

Spill Number (ID): 181648 Spill Date: 09/27/1990

Location: RIKERS ISLAND PRISON FCLT BOILER PLANT
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
OIL, FUEL: NO. 6	20.00	GAL	160.00	20.00	GAL	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: MARINE − RELEASED FROM A MARINE VESSEL TO INLAND WATERWAY. (NRC)

Action: BOOM DEPLOYED AROUND VESSEL AND CONTRACTOR HAS BEEN CALLED

Description: SUSPECTED LEAK IN THE BARGE LAURIE B.

Miscellaneous:

****

Spill Number (ID): 324169 Spill Date: 06/01/1993

Location: EAST RIVER BWTN RIKERS ISLAND & COLLEGE PT
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: MSO INVESTIGATORS EN ROUTE TO AREA.

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING SHEEN SIZE: UNKNOWN. STRONG SMELL OF PRODUCT IN THE AIR.

Miscellaneous:

****

Spill Number (ID): 542154 Spill Date: 06/30/1997

Location: RIKERS ISLAND BRIDGE HAZEN ST
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
PAINT	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger): RUST MARINE
Discharger Address:

Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: BOWERY BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: NONE

Description: AN ANONYMOUS CALLER STATES THAT THE COMPANY IS CONDUCTING WORK ON A BRIDGE AND IS DUMPING SAND BLAST GRID,CONRETE AND I
S OVERSPRAYING PAIN

Miscellaneous: THE USCG RECEIVED THIS REPORT AS AN ANONYMOUS CALL / WILL NOTIFY THE NY DEC AND NYC DEP / THE CALLER HAD NO OTHER INF
ORMATION

****

Copyright 2008 Toxics Targeting, Inc. June 03, 2008 'Rikers Island'

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
41D01	NY NEWS GRAVURE PLANT			UNKNOWN
41D03	CAPITAL PROJECT SE-43A			UNKNOWN
41D04	MTA DEMO SITE			UNKNOWN
41D09	HARRY M GREENFIELD			UNKNOWN
41T43	SALVATORE RUSSO INC.			UNKNOWN
41T58	BERLIN WRECKING			11412
41T63	LIZZA, LIZZA, HOCHREITER			UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
8909328	EAST RIVER/QUEENS	EAST RIVER	ASTORIA	UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9806747	LONG ISLAND SOUND	NEAR THRONGS NECK BRIDGE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611168	6 TO 6 1/2 MILES NORTHEAS	T OF LAGUARDIA AIRPORT	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9311823	EAST RIVER WHITE STONE BR	EAST RIVER WHITE STONE BR	BRONX	10465
8602725	DIESEL ODOR, BRONX	BETWEEN THROGS NECK BRIDG	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN
0606532	BRONX RIVER	BRONX RIVER FORREST	BRONX	UNKNOWN
0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0511299	ATAR PLACE	STADIUM AVE	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0509587	CROSS BRONX EXP	BETWEEN ROSEDALE /WEST	BRONX	UNKNOWN
0507728	LONG ISLAND SOUND	LONG ISLAND SOUND	BRONX	UNKNOWN
0410985	LONG ISLAND SOUND	WEST OF THROGSNECKS BRIDG	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0200100	EAST RIVER	WHITESTONE BRIDGE	BRONX	UNKNOWN

0101368	HUNTSPOINT REGULATOR #11	NONE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
9503263	FLUSHING BAY	FLUSHING BAY	COLLEGE POINT	UNKNOWN
8504087	UNKNOWN	UNKNOWN	FLUSHING	UNKNOWN
0204522	EXACT AREA UNKNOWN	FLUSHING BAY	FLUSHING	UNKNOWN
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
0410943	ORCHARD BEACH PARK	ORCHARD BEACH PARK	NEW YORK	UNKNOWN
8809899	MASPETH CROSSING/QUEENS	MASPETH CROSSING/JAMAICA	NEW YORK CITY	UNKNOWN
8807936	EAST RIVER/ASTORIA/QUEENS	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
0211535	FLUSHING BAY	UNKNOWN ST FLUSHING BAY	NEW YORK CITY	UNKNOWN
9513153	BUOY 18 EAST RIVER	BUOY 18 EAST RIVER	QUEENS	UNKNOWN
9315581	EAST OF BOUY #9	EAST OF BOUY #9	QUEENS	UNKNOWN
9312485	BACELLENA PT. LIGHT #7.	BACELLENA PT. LIGHT #7.	QUEENS	UNKNOWN
9206327	DOCK FOR COMMUTER III	DOCK FOR COMMUTER III	QUEENS	UNKNOWN
9204759	BASIN AND JAMAICA BAY	BASIN AND JAMAICA BAY	QUEENS	UNKNOWN
8906104	BOWERY BAY OFF EAST RIVER	BOWERY BAY OFF EAST RIVER	QUEENS	11370
8503213	FLUSHING QUEENS	FLUSHING QUEENS	QUEENS	UNKNOWN
8502975	UNKNOWN	ASTORIA	QUEENS	UNKNOWN
0402446	CLEARVIEW PUMP STATION	CLEARVIEW PUMP STATION	QUEENS	UNKNOWN
0310273	614 OPPOSITE 26 FLUSHING	614 OPPOSITE 26 FLUSHINGS	QUEENS	UNKNOWN
0300613	FLUSHING BAY	VORTEX BUILDING	QUEENS	UNKNOWN
0206290	FLUSHING BAY	N OF PORPOISE BRIDGE	QUEENS	UNKNOWN
0204721	FLUSHING BAY	UNK’	QUEENS	UNKNOWN
0106536	0	FLUSHING CREEK	QUEENS	UNKNOWN
0006269	RIVER	EAST RIVER	QUEENS	UNKNOWN
8603213	BETWEEN TNK&WSTN BRS	BETWEEN TNK&WSTN BRS	WHITESTONE	UNKNOWN

Hazardous Spills – MISC. SPILL CAUSES – Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0710690	STREET	NORTH ON ROSNECK BRIDGE	BRONX	UNKNOWN
0612658	SADDLE TANK	THROGSNECK BRIDGE	BRONX	UNKNOWN
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B – MILE MARKER 2.0	BRONX	UNKNOWN
0300375	EAST RIVER	W/ OF THROGS NECK BRIDGE	BRONX	UNKNOWN
0211217	WEEKS 540 BARGE	HUNTSPOINT AVE	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
8806179	NY POWER AUTHORITY BLDG	EAST RIVER	NEW YORK CITY	UNKNOWN
8803726	EAST RIVER/QUEENS/TTLI	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
9507970	EAST RIVER AT COLLEGE PT	POWELL COVE	QUEENS	UNKNOWN
9403334	FLUSHING BAY	FLUSHING MEADOW PARK-BAY	QUEENS	UNKNOWN
9200260	SANDY HOOK/L I SOUND	SANDY HOOK/L I SOUND	QUEENS	UNKNOWN
0509498	BOWERY BAY	HIGH LEVEL REGULATOR 28	QUEENS	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-187798	RIKERS ISLAND AUTO SERVICE	17-17 HAZEN STREET	EAST ELMHURST	11370
2-187739	NYC CORR INSTN FOR MEN	10-10 HAZEN STREET	**********	11370
2-187771	RIKERS ISLAND BAKERY	16-16 HAZEN STREET	**********	11370
2-601485	TELECOMMUNICATIONS BUILDING	14-12 HAZEN STREET	**********	11370
2-482501	AIDS MODULAR BUILDING, R.I.	8-08 HAZEN STREET	RIKERS ISLAND	11370

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD981080369	NEW YORK CITY DEPT OF DESIGN & CONSTRUCT	1616 HAZEN ST	EAST ELMHURST	11370
NYD981487770	NYC CORRECTIONAL INSTITUTION FOR MEN	10-10 HAZEN ST	EAST ELMHURST	11370

NYD981487796	NYC NORTH FACILITY		16-00 HAZEN ST	EAST ELMHURST	11370
NYP004033817	CONSOLIDATED EDISON		V2641-RIKERS ISLAND	NEW YORK	11370
NYP004039327	CONSOLIDATED EDISON		N/S	NEW YORK	UNKNO
NYP004051017	CONSOLIDATED EDISON		V4130-RIKERS ISLAND	NEW YORK	11370
NYP004051538	CONSOLIDATED EDISON		V4119-RIKERS ISLAND	QUEENS	11370
NYP004057592	CONSOLIDATED EDISON		MH26587	BRONX	UNKNOWN
NYP004070231	CONSOLIDATED EDISON		RED OAK	WESTCHESTER	UNKNOWN
NYP004087912	CONSOLIDATED EDISON		2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON		185 W321 ST MH8989	BRONX	UNKNOWN
NYP004120366	CONSOLIDATED EDISON		MH132	NEW YORK	UNKNOWN
NYP004128936	CONSOLIDATED EDISON		GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON		GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON		?	BRONX	UNKNOWN
NY0000010363	NYCDOT		N/S	N/S	UNKNOWN
NY0000181412	NYSDOT		RIKER ISLAND BRIDGE	NEW YORK	11370
NYD981487713	NEW YORK STATE DEPT OF CORRECTIONS		RIKERS H D M 14-14 HAZEN ST	E ELMHURST	11370
NYD981487721	NEW YORK STATE DEPARTMENT OF CORRECTIONS		16-16 HAZEN STREET	EAST ELMHURST	11370
NYD981487754	NEW YORK CITY CORRECTIONAL INSTITUTE FOR		WOMEN - 15-15 HAZEN STREET	EAST ELMHURST	11370
NYD981487762	NEW YORK CITY DEPT OF CORRECTIONS		RICKERS ISLAND 17-17 HAZEN ST	QUEENS	11370
NYD986913994	NYCDOC - NURSERY BEACON		SHORE RD	EAST ELMHURST	UNKNOWN
NYP004001756	CONSOLIDATED EDISON		EAST RIVER	QUEENS	UNKNOWN
NYP004017489	CONSOLIDATED EDISONCO		TAP C - 71ST SUBSTATION		UNKNOWN
NYP004055513	CONSOLIDATED EDISON		V2419-RIKERS ISLAND	NEW YORK	11370
NYP004062279	CONSOLIDATED EDISON		V6044-RIKERS ISLAND	QUEENS	11370
NYP004082848	CONSOLIDATED EDISON		V4164 1900 HAZEN ST RIKERS ISL	QUEENS	11370

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYU900122	RIKERS ISLAND CORRECTIONS			11370
NYU990002	RIKERS ISLAND PRISON			11370

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3600500159	FAA-VOR/LAGUARDIA		RIKERS ISLAND	BRONX	11370
3608100750	NYC DEPT OF CORRECTIONS		RYKERS ISLAND	ELMHURST	11370
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 5/7/2008. Data obtained by Toxics Targeting: 5/7/2008.
New Facilities updated through: 5/7/2008. Data obtained by Toxics Targeting: 5/7/2008.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 1/09/2008. Data obtained by Toxics Targeting: 3/12/2008.
New Facilities updated through: 1/09/2008. Data obtained by Toxics Targeting: 3/12/2008.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 02/05/2008.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 02/05/2008 New spills through: 02/05/2008

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 10/29/2007. Data obtained by Toxics Targeting: 11/08/2007

20) **New York City Fire Department Tank Data**.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

PHASE II ENVIRONMENTAL SITE INVESTIGATION AND PRELIMINARY WASTE CHARACTERIZATION REPORT

Rikers Island Cogeneration Plant
Rikers Island, Bronx, New York

Prepared For:

AECOM/ DMJM Harris
20 Exchange Place
New York, NY 10005

Prepared By:

Langan Engineering & Environmental Services, P.C.
360 West 31st Street, 8th Floor
New York, New York 10001

Joel B. Landes, P.E.
Senior Associate

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Revised August 27, 2009
July 24, 2009
5817802

TABLE OF CONTENTS

1.0 INTRODUCTION **1**
2.0 BACKGROUND **1**
2.1 Site Description, Current Site Use, and Proposed Development **1**
2.2 Previous Environmental Report **2**
2.3 Geology **4**
2.4 Hydrogeology **5**
3.0 FIELD INVESTIGATION **5**
3.1 Pre-Investigation Utility and Geophysical Survey **6**
3.2 Soil Investigation **6**
3.2.1 Site Characterization Sampling 7
3.2.2 Waste Characterization Sampling 7
3.3 Soil Vapor Investigation **7**
4.0 OBSERVATIONS AND RESULTS **8**
4.1 Subsurface Observations **8**
4.2 Analytical Results **9**
4.2.1 Site Characterization Soil Sample Results 9
4.2.2 Waste Characterization Soil Sample Results 9
4.2.3 Soil Vapor Results 10
5.0 CONCLUSIONS AND RECOMMENDATIONS **10**
6.0 LIMITATIONS **11**

TABLES

Table 1: Site Characterization Soil Sample Summary
Table 2: Waste Characterization Soil Sample Summary
Table 3: Soil Vapor Sample Summary
Table 4: Site Characterization Soil Sample Detection Summary for VOCs, SVOCs, Herbicides, Pesticides and PCBs
Table 5: Site Characterization Soil Sample Detection Summary for Metals
Table 6: Soil Vapor Sample Detection Summary

FIGURES

Figure 1: Site Location Map
Figures 2-5: Boring Location Maps
Figures 6-9: Estimated Fill Material Areas

APPENDICES

Appendix A: Previous Environmental Investigation Report (CD)
Appendix B: Soil Boring and Soil Vapor Logs
Appendix C: Chain of Custody Documentation
Appendix D: Laboratory Analytical Reports
Appendix E: Analytical Laboratory NYSDOH Certification

1.0 INTRODUCTION

Langan Engineering & Environmental Services, P.C. (Langan) prepared this Phase II Environmental Site Investigation (ESI) Report for the proposed Rikers Island Cogeneration Plant located on Rikers Island in the Bronx, New York (the Site). The ESI included soil and soil vapor sampling in the areas of the proposed development. The sampling was performed to assist in evaluating potential health and safety concerns during and after construction, and to provide preliminary waste characterization soil data to support offsite disposal of excavated soil and fill during construction. The Phase II ESI was implemented between May 27 and June 12, 2009.

The report is organized as follows:

Section 2.0: Describes the Site background including a discussion of a previous investigation
Section 3.0: Presents the Phase II ESI activities
Section 4.0: Presents the results of this investigation
Section 5.0: Presents conclusions and recommendations based on the investigation findings

2.0 BACKGROUND

2.1 Site Description, Current Site Use, and Proposed Development

The Site is located on Rikers Island, an approximately 413-acre island in the East River between Queens and the mainland Bronx, just north of LaGuardia Airport. A site location map is included as Figure 1. The Site is divided into three sections: 1) the proposed cogeneration plant which is located in the northwestern portion of the island, 2) the switchyard which is located at the southern end of the island, and 3) the duct bank which connects the proposed cogeneration plant to the southern switchyard along Hazen Street.

Rikers Island was purchased by the City of New York in 1884. The island was originally about 90-acres and was expanded by landfill from the late 19th to the mid 20th century. Rikers Island is used by the New York City Department of Correction (DOC) and contains 10 correctional facilities, DOC maintenance and transportation divisions, a bakery, a central laundry, tailor shop, print shop, K-9 unit, and a power plant. All buildings are located along a single service road, Hazen Street, which bisects the island in the north-south direction. Surface grades range from about el 17 to 25 Borough President of Queens Datum (BPQD), which is 2.75 ft above Mean Sea Level at Sandy Hook, New Jersey (NGVD 1929).

Proposed development plans for the Site will include:

- A two-story cogeneration plant with approximate footprint area of 13,000 square ft, at the northwest side of the island.
- A switchyard area with approximate footprint of 8,000 square ft that will consist of a concrete pad mounted to support electrical equipments and trailers.
- A utility duct bank approximately 5,000 ft long that runs eastward from the cogeneration building and extends to the south of the island to connect to the switchyard area.

The proposed redevelopment work at the Site will require excavation of soil and fill material in select locations for structural foundation components and utility runs. Groundwater was measured between 8.9 and 14.0 ft bgs and it is our understanding that it is not expected to be encountered during the proposed Site redevelopment activities.

2.2 Previous Environmental Report

A Phase I Environmental Site Assessment (ESA), dated August 2008, was completed by AKRF, Inc. for the Rikers Island Cogeneration Plant Site. The Phase I ESA identified 14 Recognized Environmental Conditions (RECs) across the Site including multiple tanks, NYSDEC spills, tank closures, and listing as a New York State Major Oil Storage Facility and Petroleum Bulk Storage Facility. The Site was also listed as a Hazardous Substance Waste Disposal Site. A complete bulleted list of RECs identified in the Phase I ESA is provided below. The AKRF Phase I Report is included as Appendix A.

<u>Site RECs:</u>

- NYSDEC Spill No. 0109604 was issued for the Rikers Island Central Power Plant on September 10, 2001 due to contaminated soil observed on-site during removal of four No. 6 fuel oil underground storage tanks of approximately 45,000-gallon, 42,000-gallon, 39,000-gallon, and 35,000-gallon capacities. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The spill was closed on March 10, 2003.
- AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall steel, No. 6 fuel oil underground storage tanks at the Central Power Plant. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 19999. Tyree reported visible swoil contamination and fuel oil floating in exposed groundwater in the excavation. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the

excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semivolatile organic compounds (SVOCs) that exceeded NYSDEC STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandum (TAGM), HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The spill number given in the Tyree report was not listed in the NYSDEC Spills database reviewed for this Phase I ESA.

- Two additional closed spill numbers were cited for Rikers Island Power Plant. A February 15, 1989 300-gallon diesel spill (spill no. 0202449) that originated from a punctured portable tank was closed on December 4, 1992. A June 6, 2002 20-gallon No. 2 fuel oil spill (Spill No. 0109604) that occurred in a basement was closed the same day
- No. 2 fuel oil was stored in six on-site 40,000-gallon underground storage tanks located outside of the building, along the northern wall of the power plant, within a fenced area. Two 20,000-gallon diesel underground storage tanks were located outside along the eastern wall of the plant and were connected to two 100-gallon diesel day tanks located on the first floor.
- A 1,000-gallon waste oil aboveground storage tank, six portable 1,000-gallon waste oil aboveground storage tanks and two 55-gallon waste oil drum storage areas were noted outside the building along the western wall of the plant. Heavy staining and evidence of spill cleanup was observed around the tanks and drums. According to site personnel, storm drains in the area of the power plant were connected to the municipal sewer system.
- A drum storage area, containing 55-gallon drums labeled anti-freeze and coolant, was located on the first floor at the southern end of the plant. Moderate staining was observed near the drums
- Rikers Island power plant was listed as a New York State Major Oil Storage Facility (MOSF) and a Petroleum Bulk Storage (PBS) facility on the regulatory database. Current on-site fuel storage was reported to consist of approximately 240,000-gallons of No. 2 fuel oil, 44,000 gallons of diesel and an unknown quantity of waste oil.
- Rikers Island was listed as Hazardous Substance Waste Disposal Site (SHSWDS) in the regulatory database related to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000-gallons of sludge,

500-pounds of pesticides and 500-gallons of other organic chemicals. Sanitary land filling also took place.

- Rikers Island was listed as a CERCLIS NFRAP (No Further Remedial Action Planned) site. No specific address for the listing was provided and no further information about the listing was given.
- According to site personnel, the buildings on the power plant portion of the subject property were constructed around 1930, at which time many Asbestos-containing materials (ACMs) were utilized.
- Based on the age of the subject building, lead-based paint may be present. Painted surfaces of the subject building were observed to be in varying conditions ranging from good to poor.
- The on-site power plant buildings were illuminated by fluorescent lighting. Based on the age of the power plant buildings, suspect polychlorinated biphenyls (PCB)-and/or mercury-containing. No leaks or stains were noted around such equipment, which do not currently present a potential hazard to human health.
- Electrical equipment at the substation portion of the site may be PCB-and/or mercury-containing. No leaks or stains were noted around such equipment, which do not currently present a potential hazard to human health.
- A regulatory database search indicated that thirteen RCRA Generators/Transporters were reported within a 1/8-mile radius of the subject site. All of the sites were located on Rikers Island but could not be mapped due to lack of address information. Seven of the thirteen sites were New York City Department of Corrections (DOC) facilities and were listed as Large Quantity Generators with waste descriptions including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability and solid waste that exhibits the characteristics of corrosivity. The remaining sites were Consolidated Edison vaults listed for PCB-containing petroleum oil. Based on the information provided in the database, reported and potential releases may have affected environmental conditions at the subject site.

2.3 Geology

The underlying geology of Rikers Island consists generally of young rock units of the Ordovician and Cambrian ages and older rock units of the Proterzoic age as defined by the US Geological Survey's (USGS) "Bedrock and Engineering Geologic Maps of New York County and Parts of King's and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey", dated 1994 (USGS Bedrock Map).

Cameron's Line runs along Rikers Island in the northeast to southwest direction, generally bisecting Hazen Street. Rocks west of Cameron's Line have been displaced along other great thrust faults resulting in older metamorphic rocks shoved over younger sedimentary rocks. Therefore, the predominant rock unit west of Cameron's Line in Rikers Island is Fordham Gneiss (Middle Proterozoic). Younger metamorphosed sedimentary rocks are only at the north tip of the Island, including Manhattan Schist (Lower Cambrian) along Cameron's Line and Inwood Marble (Lower Ordovician to Lower Cambrian). The predominant rock units east of Cameron's Line in Rikers Island are schist and granite of the Hartland Formation (Middle Ordovician to Lower Cambrian).

Site specific soils include uncontrolled historic fill material overlying native sand with some clay and silt, overlying bedrock. Bedrock was reported at approximately el -49 in Langan's Geotechnical Engineering Study dated July 2009.

2.4 Hydrogeology

Groundwater in the unconsolidated deposits (fill and natural materials) is expected to follow the topography and flow northwesterly from the proposed cogeneration plant which is located in the northwestern portion of the island, toward the East River, which is approximately 100 feet northwest of the Site. Groundwater at the substation property, located at the southern extent of the island, most likely flows in a southerly direction towards the Rikers Island Channel which is approximately 100 feet to the south. Groundwater flow in the fill may, however, be influenced locally by the presence of underground man-made structures (pipes, foundations, etc.). Groundwater was measured at between 8.9 and 14.15 ft bgs. Groundwater depth and flow direction are likely highly variable and can be affected by many factors including past filling activities, tidal cycles, and underground utilities.

Groundwater in this area of New York City is not used as a potable (drinking) water source. The potable water supply is provided by the City of New York and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

3.0 FIELD INVESTIGATION

The field investigation was conducted between May 27 and June 12, 2009, and included completion of 22 Geoprobe soil borings, installation of 6 soil vapor probes, collection of 47 grab soil samples, 8 composite soil samples, and 6 soil vapor samples. Soil samples were collected from Geoprobe borings and geotechnical borings that were being completed in the area simultaneously by Langan as part of a geotechnical investigation.

3.1 Pre-Investigation Utility and Geophysical Survey

Prior to implementation of the subsurface investigation, a utility survey was completed for the proposed cogeneration plant area, the switchyard area, and the duct bank area along Hazen Street connecting the proposed power plant to the switchyard. Proposed boring locations were located by a surveyor in the field.

On May 27, 2009, prior to boring activities, Laurel Environmental Associates (Laurel) of Huntington, New York, under the supervision of a Langan field engineer conducted a geophysical investigation using ground penetrating radar (GPR) to identify the location of buried utilities in the vicinity of each boring location. Borings were relocated as necessary to avoid sub-surface utilities.

3.2 Soil Investigation

The soil investigation included 22 environmental soil borings (GB-1 through GB-21, and SV-5) and collection of environmental samples from 9 geotechnical borings (B-1 through B-8 and B-10) that were being completed at the same time as the environmental borings. Information from the geotechnical subsurface investigation is included in Langan's Geotechnical Engineering Study dated July 21, 2009. The environmental soil borings were completed by Laurel under the supervision of a Langan field engineer. As an additional precautionary measure, all environmental borings were cleared with an air knife and hand auger to 6 ft bgs due to the proximity of existing utilities. Environmental borings were then drilled to 10 ft bgs using a direct-push Geoprobe®. Boring depths correspond with our understanding of the proposed excavation depths for the Site improvements planned as part of the development. Environmental and geotechnical boring locations are shown on the Boring Location Plans (Figures 2 through 6).

Soil samples were collected continuously from each environmental boring. Samples were collected from depths 0 to 6 ft bgs using a 2-inch diameter hand auger and from depths 6 to 10 ft with a 2-inch diameter 4- or 5-foot macrocore sample barrel with new, dedicated acetate liners. Down-hole drilling equipment and hand augers were decontaminated between borings with Alconox and water. Soil samples retrieved from each boring were visually classified for soil type, grain size and texture. Each sample was screened for visual, olfactory, and instrumental evidence of anthropogenic impacts. Instrument screening for the presence of volatile organic compounds (VOCs) was performed with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Following sample collection, all borings were backfilled with soil cuttings and sand and the surface cover was restored (i.e. asphalt patch consistent with the surface materials present at the Site). Boring logs documenting these observations are included as Appendix B.

3.2.1 Site Characterization Sampling

One soil grab sample from each of the 22 environmental soil borings and from 9 of the geotechnical borings was collected for laboratory analysis. Soil samples were collected into laboratory-supplied containers and were picked up and delivered via courier service to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory in Westborough, Massachusetts under standard chain-of-custody protocol. The chain-of-custody documentation is presented in Appendix C. Grab soil samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260, TCL semivolatile organic compounds (SVOCs) by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082, pesticides by EPA 8081A, herbicides by 8151A, and Target Analyte List (TAL) metals by EPA Methods 6010B/7471A. A sample log showing site characterization location and sample analysis is provided as Table 1.

3.2.2 Waste Characterization Sampling

In addition to the site characterization sampling described above, preliminary waste characterization samples were collected per general disposal facility requirements. Eight composite samples (Comp 1 through Comp 8) and 16 grab samples (two VOC grab samples associated with each composite sample) were collected from eight planned excavation areas and depths as described in Table 2. Soil samples were collected in laboratory-supplied containers and were picked up and delivered via courier service to Alpha Analytical in Westborough, Massachusetts under standard chain-of-custody protocol. The chain-of-custody documentation is presented in Appendix C. Waste characterization samples were analyzed for TCL VOCs, TCL SVOCs, PCBs, TAL metals, total petroleum hydrocarbons, pesticides, paint filter, Resource Conservation Recovery Act (RCRA) characteristics, and toxicity characteristic leaching procedure (TCLP) RCRA metals, VOCs, SVOCs, pesticides and herbicides. A sample log showing waste characterization sample location and sample analysis is provided as Table 2.

3.3 Soil Vapor Investigation

On May 28 and 29, 2009, six temporary soil vapor probes were installed to evaluate the presence of vapors in underlying soil that could potentially impact future occupants at the Site. All soil vapor locations were in areas covered with asphalt in an effort to detect areas of accumulated VOCs trapped below the low permeable surface cover. Four soil vapor probes were installed beneath the proposed cogeneration plant and two soil vapor probes were installed in the proposed southern switchyard. Soil vapor probes were installed in Geoprobe borings at a depth of 6 ft. The annulus around the vapor screen was packed with glass beads to approximately 6 inches above the screen. Six inches of clean sand was placed above the glass beads, followed by a 3 foot bentonite plug to seal the soil vapor probe. The remaining annulus was filled with sand and then bentonite to the surface.

On June 1 and 2, 2009, six soil vapor samples, one from each vapor probe, were collected to evaluate the presence of volatile constituents and methane. All soil vapor samples were collected in accordance with the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006 (the Guidance).

Prior to attaching the summa canister to the vapor probe to collect the soil vapor sample, a tracer gas test was conducted. The air around the probe was enriched with Helium gas contained within a plastic bucket with a rubber gasket seal. The probe sample tubing was connected to an outlet through the bucket and the probe was purged using a PID. Helium concentrations inside the bucket and from the probe were recorded to ensure a good seal was in place prior to collecting the sample. Once the helium tracer gas test was complete, and a competent seal was confirmed, laboratory supplied batch-certified clean summa canisters were connected to the sample tube and allowed to run for approximately 1 hour at a flow rate of approximately 0.040 l/min. Once the sample was collected, PID and helium gas readings were repeated to ensure the seal remained in tact. All readings are included on soil vapor sampling logs included in Appendix B.

Soil vapor samples were picked up and delivered via courier service to Alpha Analytical under standard chain-of-custody protocol. The chain-of-custody documentation is presented in Appendix C. The soil vapor samples were analyzed for VOCs using EPA Method TO-15 and methane by Method 3C, Appendix A, Part 60 Code of Federal Regulations (CFR).

4.0 OBSERVATIONS AND RESULTS

4.1 Subsurface Observations

Beneath the asphalt and topsoil surface cover, the soil was observed to be historic urban fill material predominately consisting of 1) dark brown medium, course sand with some brick and gravel, and trace wood, coal and glass and 2) light brown medium, fine sand with some silt and trace gravel, brick and coal. The fill layers were observed to extend to the termination of the borings (10 ft bgs). The fill layers are classified as Historic Urban Fill as defined in the New York State Department of Environmental Conservation (NYSDEC) Draft DER-10 Technical Guidance for Site Investigation and Remediation (dated December 2002).

Petroleum odors and staining were observed in Boring GB-17 (See Figure 5) between 7 and 10 ft bgs. PID readings were recorded up to 35.3 parts per million (ppm) in GB-17. In GB-20 and SV-5 (See Figure 5) organic material decomposition odors were observed between 4 and 10 ft bgs. PID readings were recorded up to 1.5 ppm and 1.3 ppm in GB-20 and SV-5, respectively. No other environmental borings exhibited PID readings above 0.0 ppm.

4.2 Analytical Results

4.2.1 Site Characterization Soil Sample Results

Thirty-one site characterization soil samples were submitted for laboratory analysis. Analytical results were compared to NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs). The analytical results are presented in Tables 3 and 4 and summarized below. Analytical laboratory reports are provided in Appendix D and the NYSDOH laboratory certification is provided in Appendix E.

VOCs- The concentration of acetone in two soil samples exceeded the TAGM RSCO. Acetone is a common laboratory contaminant and therefore the result is not considered significant.

SVOCs- Concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, acenaphthylene, and dibenzo(a,h)anthracene exceeded RSCOs in twenty site characterization soil samples.

Herbicides- No herbicide concentrations were identified above RSCOs.

Pesticides- No pesticide concentrations were identified above RSCOs.

Metals- Concentrations of arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, magnesium, mercury, nickel, selenium, and zinc exceed RSCOs.

PCBs- No PCB concentrations were identified above RSCOs .

4.2.2 Waste Characterization Soil Sample Results

Waste characterization soil samples were collected for laboratory analysis of general waste characterization parameters used by disposal facilities. Eight composite samples with associated grab samples (for VOCs) were collected and analyzed to represent 8 areas of the planned excavation area (See Table 2). Analytical results are summarized below and categorized by material type. Analytical reports are provided in Appendix D. Based on the waste characterization results, the following three types of fill material were identified:

- Historic Fill: Non-Hazardous Regulated Material- All waste characterization samples contained concentrations of metals and/or SVOC exceeding TAGM RSCOs. This material is regulated by New York State solid waste regulations.
- Historic Fill: Petroleum Contaminated Non-Hazardous Regulated Material- Composite sample Comp 7, inclusive of boring GB-17, had total petroleum hydrocarbon concentration of 1040 mg/kg. Staining, petroleum odors, and elevated organic vapor concentrations representative of petroleum impacted material was observed in boring

GB-17 at depths between 7 and 10 ft bgs. This petroleum contaminated material is regulated by New York State solid waste regulations.

- Historic Fill: Hazardous Regulated Material- The composite sample collected from the southern switchyard, Comp 8, contained RCRA hazardous (40 CFR 261) lead per TCLP analysis. The TCLP lead exceedance classifies this material as hazardous.

The locations of these three types of fill within the planned excavation areas have been roughly approximated based on the limited field observation and analytical data and are shown on Figures 6 through 9. Additional investigation is necessary to delineate the depth and extent of the petroleum contaminated and hazardous fill material.

4.2.3 Soil Vapor Results

Six soil vapor samples were submitted for laboratory analysis. Analytical results from the soil samples are presented in Table 6. Analytical laboratory reports are provided in Appendix D and NYSDOH laboratory certification is provided in Appendix E. Analytical results are summarized as follows:

- Volatile Organics- Volatile organics were detected in all soil vapor samples.
- Methane- Methane was detected in two of the six soil vapor samples (SV-5 and SV-6). Both samples were located in the southern switchyard area.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Site investigation, we conclude and recommend the following:

- The soil represented by waste characterization composite sample Comp 8 is RCRA (40 CFR 260) regulated hazardous material. Prior to intrusive construction activities at the Site, additional delineation to determine the extent of the hazardous lead area, and remediation (removal) is recommended. The transport and disposal of this hazardous fill material is subject to United States Environmental Protection Agency (EPA) and NYSDEC regulations.
- Excavation for foundation components and utilities will result in excess material that will need to be reused onsite or transported off-site for disposal.
    - **Reuse-** Non-hazardous historic fill may be reused onsite, given it meets geotechnical and other project requirements (e.g. landscaping). Petroleum contaminated and hazardous historic fill material may not be reused onsite.

- **Disposal-** All hazardous historic fill must be hauled and disposed offsite in accordance with United States EPA and NYSDEC regulations. Excess non-hazardous historic fill, and all petroleum contaminated historic fill material must be hauled and disposed offsite in accordance with New York State solid waste regulations. Additional sampling may be necessary for disposal based on the disposal facility selected. Different disposal facilities have different analytical testing requirements.
- We recommend that construction specifications be prepared to outline appropriate actions to be taken by the contractor during the future development of the Site.

- We recommend a composite cover system over the historic fill material left in place at the Site. This cover system will serve to prevent direct contact with the contaminated fill material that is left in place. The cover system should consist of impervious surface cover (buildings, concrete, asphalt) or a minimum of two feet of certified clean material (i.e. TAGM 4046-clean soil, virgin stone) over any proposed landscaped/grass covered areas.
- Soil vapor results identified methane in both vapor samples (SV-5 and SV-6) collected beneath the proposed southern switchyard building. The methane in SV-6 was detected above the lower explosive limit (LEL) of 5% methane. Methane concentrations above the LEL create an unsafe and potentially explosive environment. Additionally, the volatile organic soil vapor results show multiple compounds detected above EPA 2001 Building assessment and survey evaluation (BASE) indoor and outdoor air 90th percentile concentrations beneath both the proposed cogeneration plant and the southern switchyard buildings at the Site. The EPA values cannot be directly compared to the subsurface soil vapor results, but provide a frame of reference. We recommend a passive venting system beneath the proposed southern switchyard building to prevent the accumulation of methane and volatile organics beneath the building. We do not believe that vapor mitigation is warranted for the cogeneration plant given the required building ventilation due to the industrial use of the building and New York City code requirements for ventilation.

6.0 LIMITATIONS

This Phase II ESA report was prepared expressly for AECOM/DMJM Harris for the proposed cogeneration plant on Rikers Island, Bronx, New York and for the objectives defined herein (due diligence). Langan cannot assume responsibility for the use of this Report for any property

other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals that were provided by "the Client". Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

TABLES

Table 1- Site Characterization Soil Sample Summary
Rikers Island, Bronx, New York
Langan Project No. 5817801

SAMPLE NAME	DEPTH LEVEL (FEET BGS)	DATE	SAMPLE ANALYIS
GEOPROBE SOIL SAMPLES			
GB-1-7-8	7-8	5/28/2009	TCL VOCs, TCL SVOCs, PCBS, Pesticides, Herbicides, TAL Metals
GB-2-9-10	9-10	5/28/2009	
GB-3-2-3	2-3	5/27/2009	
GB-4-7-8	7-8	5/28/2009	
GB-5-8-9	8-9	5/28/2009	
GB-6-3-4	3-4	5/27/2009	
GB-7-6-7	6-7	5/28/2009	
GB-8-5-6	5-6	5/28/2009	
GB-9-8-9	8-9	5/29/2009	
GB-10-3-4	3-4	5/29/2009	
GB-11-7-8	7-8	6/1/2009	
GB-12-3-4	3-4	6/1/2009	
GB-13-9-10	9-10	6/1/2009	
GB-14-5-6	5-6	6/1/2009	
GB-15-4-5	4-5	6/2/2009	
GB-16-8-9	8-9	6/2/2009	
GB-17-8-9	8-9	6/2/2009	
GB-18-7-8	7-8	6/2/2009	
GB-19-2-3	2-3	6/2/2009	
GB-20-8-9	8-9	5/29/2009	
GB-21-5-6	5-6	6/1/2009	
SV-5-3-4	3-4	5/29/2009	
GEOTECH SOIL SAMPLES			
B-1(ow)-5-6	5-6	5/29/2009	TCL VOCs, TCL SVOCs, PCBS, Pesticides, Herbicides, TAL Metals
B-2(ow)-2-3	2-3	5/29/2009	
B-3-2-3	2-3	6/2/2009	
B-4-4-6	4-6	6/5/2009	
B-5-3-5	3-5	6/3/2009	
B-6-1-3	1-3	6/4/2009	
B-7(ow)-2-4	2-4	6/10/2009	
B-8(ow)-3-5	3-5	6/9/2009	
B-10-5-7	5-7	6/12/2009	

Notes:
1. BGS- Below grade surface

Table 2- Waste Characterization Soil Sample Summary
Rikers Island, Bronx, New York
Langan Project No. 5817801

GENRAL AREA DESCRIPTION	DEPTH LEVEL (FEET BGS)	DATE	SAMPLE ANALYSIS
COMPOSITE SAMPLE 1 AREA- WESTERN PORTION OF THE PROPOSED CO-GEN PLANT (GB1, GB2, GB3, GB4)			
COMP-1	0-6	5/29/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB1-2-3	2-3	5/28/2009	TCLP VOCs
GB1-3-4	3-4	5/28/2009	TCL VOCs
COMPOSITE SAMPLE 2 AREA- CENTRAL PORTION OF THE PROPOSED CO-GEN PLANT (GB3, GB4, GB5)			
COMP-2	6-10	5/29/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB4-8-9	8-9	5/28/2009	TCL VOCs
GB4-9-10	9-10	5/28/2009	TCLP VOCs
COMPOSITE SAMPLE 3 AREA- EASTERN PORTION OF THE PROPOSED CO-GEN PLANT (GB5, GB6, GB7)			
COMP-3	0-6	5/29/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB5-4-5	4-5	5/28/2009	TCL VOCs
GB5-3-4	3-4	5/28/2009	TCLP VOCs
COMPOSITE SAMPLE 4 AREA- NORTH-1 DUCTBANK (GB8, GB9, GB10, GB11)			
COMP-4	6-10	6/1/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB9-6-7	6-7	5/29/2009	TCL VOCs
GB11-7-8	7-8	6/1/2009	TCLP VOCs
COMPOSITE SAMPLE 5 AREA- NORTH-2 DUCTBANK (GB11, GB12, GB12, GB21)			
COMP-5	0-6	6/1/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB11-3-4	3-4	6/1/2009	TCL VOCs
GB13-3-4	3-4	6/1/2009	TCLP VOCs
COMPOSITE SAMPLE 6 AREA- SOUTH-2 DUCTBANK (GB14, GB5, GB16)			
COMP-6	6-10	6/2/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB15-7-8	7-8	6/2/2009	TCL VOCs
GB15-8-9	8-9	6/2/2009	TCLP VOCs
COMPOSITE SAMPLE 7 AREA- SOUTH-1 DUCTBANK (GB17, GB18, GB19)			
COMP-7	0-6	6/2/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB18-4-5	4-5	6/2/2009	TCL VOCs
GB18-5-6	5-6	6/2/2009	TCLP VOCs
COMPOSITE SAMPLE 8 AREA- SOUTHERN SWITCH YARD (GB20, SV-5)			
COMP-8	6-10	5/29/2009	TCL SVOC,PCB,TAL METALS,TPH PESTICIDES, PAIN FILTER, TCLP RCRA METALS, SVOC, PESTICIDES , HERBICIDES
GB20-8-9	8-9	5/29/2009	TCL VOCs
GB20-9-10	9-10	5/29/2009	TCLP VOCs

Notes:
1. BGS- Below grade surface

Table 3- Soil Vapor Sample Summary
Rikers Island, Bronx, New York
Langan Project No. 5817801

SAMPLE NAME	DEPTH LEVEL (FEET BGS)	DATE	SAMPLE ANALYIS
SOIL VAPOR SAMPLES			
SV-1-6/1/09	6	6/1/2009	TO-15 and methane
SV-2-6/1/09	6	6/1/2009	
SV-3-6/1/09	6	6/1/2009	
SV-4-6/1/09	6	6/1/2009	
SV-5-6/1/09	6	6/1/2009	
SV-6-6/2/09	6	6/2/2009	

Notes:
1. BGS- Below grade surface

Table 4- Site Characterization Soil Sample Detection Summary
VOCs, SVOCs, Herbicides, Pesticides, PCBs
Rikers Island, Bronx, New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TAGM RSCOs	Units	B-1(OW) 5-6 5/28/2009 L0906901-03	B2(OW)-2-3 5/29/2009 L0906972-05	B3-2-3 6/2/2009 L0907118-06	B4-4-6 6/5/2009 L0907461-01	B5-3-5 6/3/2009 L0907461-03	B6-1-3 6/4/2009 L0907461-02	B7(OW)-2-4 6/10/2009 L0907895-02	B8(OW)-3-5 6/9/2009 L0907895-01	B10-5-7 6/12/2009 L0907895-03
Volatile Organics by GC/MS - Westborough Lab											
Styrene	N/A	mg/kg	0.006 U	0.0066 U	0.0056 U	0.0059 U	0.0058 U	0.0057 U	0.0057 U	0.0065 U	0.0062 U
Acetone	0.2	mg/kg	0.03 U	0.033 U	0.028 U	0.029 U	0.029 U	0.029 U	0.029 U	0.032 U	0.031 U
2-Butanone	0.3	mg/kg	0.03 U	0.033 U	0.028 U	0.029 U	0.029 U	0.029 U	0.029 U	0.032 U	0.031 U
Semivolatile Organics by GC/MS-SIM - Westborough Lab											
Acenaphthene	50	mg/kg	0.035	0.018 U	0.015 U	0.016 U	0.016 U	0.015 U	0.024	0.019	0.017 U
2-Chloronaphthalene	N/A	mg/kg	0.016 U	0.018 U	0.015 U	0.016 U	0.016 U	0.015 U	0.015 U	0.017 U	0.017 U
Fluoranthene	50	mg/kg	0.66	0.045	0.015 U	0.14	0.057	0.27	0.77	0.73	0.02
Hexachlorobutadiene	N/A	mg/kg	0.04 U	0.044 U	0.037 U	0.039 U	0.039 U	0.038 U	0.038 U	0.043 U	0.042 U
Naphthalene	13	mg/kg	0.035	0.018 U	0.015 U	0.02	0.016 U	0.015 U	0.015 U	0.038	0.017 U
Benzo(a)anthracene	0.224	mg/kg	**0.38**	0.032	0.015 U	0.15	0.054	0.11	**0.4**	**0.36**	0.017 U
Benzo(a)pyrene	0.061	mg/kg	**0.36**	0.044	0.015 U	**0.19**	**0.07**	**0.098**	**0.34**	**0.43**	0.017 U
Benzo(b)fluoranthene	0.22	mg/kg	**0.57**	0.074	0.015 U	**0.24**	0.1	0.13	**0.5**	**0.57**	0.026
Benzo(k)fluoranthene	0.22	mg/kg	0.16	0.026	0.015 U	0.084	0.036	0.046	0.17	0.18	0.017 U
Chrysene	0.4	mg/kg	**0.45**	0.034	0.015 U	0.16	0.059	0.098	**0.46**	**0.4**	0.017 U
Acenaphthylene	50	mg/kg	0.016	0.018 U	0.015 U	0.016 U	0.016 U	0.015 U	0.015 U	0.028	0.017 U
Anthracene	50	mg/kg	0.091	0.018 U	0.015 U	0.016 U	0.016 U	0.047	0.12	0.09	0.017 U
Benzo(ghi)perylene	50	mg/kg	0.21	0.038	0.015 U	0.13	0.062	0.062	0.24	0.34	0.017 U
Fluorene	50	mg/kg	0.036	0.018 U	0.015 U	0.016 U	0.016 U	0.018	0.032	0.032	0.017 U
Phenanthrene	50	mg/kg	0.37	0.034	0.015 U	0.066	0.021	0.22	0.5	0.3	0.021
Dibenzo(a,h)anthracene	0.0143	mg/kg	**0.071**	0.018 U	0.015 U	**0.039**	**0.017**	**0.019**	**0.085**	**0.088**	0.017 U
Indeno(1,2,3-cd)Pyrene	3.2	mg/kg	0.19	0.026	0.015 U	0.1	0.039	0.048	0.22	0.27	0.017 U
Pyrene	50	mg/kg	0.64	0.041	0.015 U	0.18	0.079	0.24	0.69	0.75	0.018
2-Methylnaphthalene	36.4	mg/kg	0.032	0.018 U	0.015 U	0.028	0.016 U	0.015 U	0.015 U	0.017 U	0.017 U
Chlorinated Herbicides by GC - Westborough Lab	-	mg/kg	No Detections								
Organochlorine Pesticides by GC - Westborough Lab											
4,4'-DDE	2.1	mg/kg	0.0795 U,D[20]	0.00438 U	0.0037 U	0.00392 U	0.00388 U	0.00383 U	0.00383 U	0.00433 U	0.00417 U
4,4'-DDD	2.9	mg/kg	0.0795 U,D[20]	0.00438 U	0.0037 U	0.00392 U	0.00388 U	0.00383 U	0.00383 U	0.00433 U	0.00417 U
4,4'-DDT	2.1	mg/kg	0.0795 U,D[20]	0.00438 U	0.0037 U	0.00392 U	0.00388 U	0.00383 U	0.00383 U	0.00433 U	0.00417 U
Polychlorinated Biphenyls by GC - Westborough Lab											
Aroclor 1260	1	mg/kg	0.0606	0.0438 U	0.037 U	0.0392 U	0.0388 U	0.0383 U	0.0383 U	0.0433 U	0.0417 U
General Chemistry - Westborough Lab											
Solids, Total	-	%	84	76	90	85	86	87	87	77	80

NOTES:
1) Reference Standard in New York State Department of Environmental Conservation TAGM 4046 Recommended Soil Cleanup Objectives.

2) NYSDEC exceedances are highlighted and in **BOLD**.

3) Dilution factor is equal to one unless otherwise indicated.

mg/kg = milligrams per kilogram
N/A= Not Available

Qualifiers:
J = Result is less than the Reporting Limit, but greater than or equal to the method detection limit.
U = Analyte included in the analysis but not detected.
D^5 = Dilution factor
O01= Compound is a common laboratory contaminant.

Table 4- Site Characterization Soil Sample Detection Summary
VOCs, SVOCs, Herbicides, Pesticides, PCBs
Rikers Island, Bronx, New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TAGM RSCOs	Units	GB1-7-8 5/28/2009 L0906901-05	GB2-9-10 5/28/2009 L0906901-04	GB3-2-3 5/27/2009 L0906901-06	GB4-7-8 5/28/2009 L0906901-07	GB5-8-9 5/28/2009 L0906901-08	GB6-3-4 5/27/2009 L0906901-02	GB7-6-7 5/28/2009 L0906901-01	GB8-5-6 5/28/2009 L0906972-01	GB9-8-9 5/29/2009 L0906972-03	GB10-3-4 5/29/2009 L0906972-04	GB11-7-8 6/1/2009 L0907033-01
Volatile Organics by GC/MS - Westborough Lab													
Styrene	N/A	mg/kg	0.006 U	0.0063 U	0.0055 U	0.0057 U	0.0057 U	0.0057 U	0.0054 U	0.0085	0.0054 U	0.029	0.0056 U
Acetone	0.2	mg/kg	0.03 U	0.032 U	0.027 U	0.029 U	0.028 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U
2-Butanone	0.3	mg/kg	0.03 U	0.032 U	0.027 U	0.029 U	0.028 U	0.028 U	0.027 U	0.027 U	0.027 U	0.027 U	0.028 U
Semivolatile Organics by GC/MS-SIM - Westborough Lab													
Acenaphthene	50	mg/kg	0.028	0.048	0.058	0.017	0.015 U	0.036	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
2-Chloronaphthalene	N/A	mg/kg	0.016 U	0.028	0.015 U	0.015 U	0.015 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Fluoranthene	50	mg/kg	1.4	0.93	0.91	0.38	0.036	0.61	0.014 U	0.018	0.014 U	0.015 U	0.015 U
Hexachlorobutadiene	N/A	mg/kg	0.04 U	0.042 U	0.037 U	0.038 U	0.038 U	0.038 U	0.036 U	0.037 U	0.036 U	0.037 U	0.037 U
Naphthalene	13	mg/kg	0.07	0.084	0.077	0.015 U	0.015 U	0.023	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Benzo(a)anthracene	0.224	mg/kg	**1.1**	**0.62**	**0.46**	0.22	0.023	**0.31**	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Benzo(a)pyrene	0.061	mg/kg	**1.1**	**0.69**	**0.5**	**0.23**	0.024	**0.27**	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Benzo(b)fluoranthene	0.22	mg/kg	**1.5**	**0.87**	**0.72**	**0.31**	0.031	**0.39**	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Benzo(k)fluoranthene	0.22	mg/kg	**0.48**	**0.29**	**0.25**	0.097	0.016	0.14	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Chrysene	0.4	mg/kg	**1.2**	**0.69**	**0.54**	0.27	0.015 U	0.35	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Acenaphthylene	50	mg/kg	0.05	0.048	0.022	0.015 U	0.015 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Anthracene	50	mg/kg	0.16	0.14	0.16	0.058	0.015 U	0.082	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Benzo(ghi)perylene	50	mg/kg	0.7	0.54	0.19	0.17	0.02	0.17	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Fluorene	50	mg/kg	0.035	0.068	0.073	0.024	0.015 U	0.028	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Phenanthrene	50	mg/kg	0.57	0.44	0.58	0.25	0.018	0.39	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Dibenzo(a,h)anthracene	0.0143	mg/kg	**0.24**	**0.18**	**0.066**	**0.065**	0.015 U	**0.056**	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Indeno(1,2,3-cd)Pyrene	3.2	mg/kg	0.66	0.46	0.18	0.14	0.015 U	0.15	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Pyrene	50	mg/kg	1.5	0.96	0.84	0.38	0.037	0.56	0.014 U	0.015	0.014 U	0.015 U	0.015 U
2-Methylnaphthalene	36.4	mg/kg	0.016	0.027	0.061	0.015 U	0.015 U	0.019	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U
Chlorinated Herbicides by GC - Westborough Lab	-	mg/kg	No Detections										
Organochlorine Pesticides by GC - Westborough Lab													
4,4'-DDE	2.1	mg/kg	0.0795 U,D[5]	0.0211 U,D[5]	0.073 U,D[20]	0.00383 U	0.00379 U	0.076 U,D[20]	0.00363 U	0.00366 U	0.00362 U	0.00366 U	0.0037 U
4,4'-DDD	2.9	mg/kg	0.0795 U,D[5]	0.0211 U,D[5]	0.073 U,D[20]	0.00383 U	0.00379 U	0.076 U,D[20]	0.00363 U	0.00366 U	0.00362 U	0.00366 U	0.0037 U
4,4'-DDT	2.1	mg/kg	0.0795 U,D[5]	0.0211 U,D[5]	0.073 U,D[20]	0.00383 U	0.00379 U	0.076 U,D[20]	0.00363 U	0.00366 U	0.00362 U	0.00366 U	0.0037 U
Polychlorinated Biphenyls by GC - Westborough Lab													
Aroclor 1260	1	mg/kg	0.0402 U	0.0422 U	0.0366 U	0.0383 U	0.0379 U	0.562	0.0362 U	0.0366 U	0.0362 U	0.0366 U	0.037 U
General Chemistry - Westborough Lab													
Solids, Total	-	%	83	79	91	87	88	88	92	91	92	91	90

NOTES:
1) Reference Standard in New York State Department of Environmental Conservation TAGM 4046 Recommended Soil Cleanup Objectives.

2) NYSDEC exceedances are highlighted and in **BOLD**.

3) Dilution factor is equal to one unless otherwise indicated.

mg/kg = milligrams per kilogram
N/A= Not Available

Qualifiers:
J = Result is less than the Reporting Limit, but greater than or equal to the method detection limit.
U = Analyte included in the analysis but not detected.
D^5 = Dilution factor
O01= Compound is a common laboratory contaminant.

Table 4- Site Characterization Soil Sample Detection Summary
VOCs, SVOCs, Herbicides, Pesticides, PCBs
Rikers Island, Bronx, New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TAGM RSCOs	Units	GB12-3-4 6/1/2009 L0907033-03		GB13-9-10 6/1/2009 L0907033-04		GB14-5-6 6/1/2009 L0907033-05		GB 15-4-5 6/2/2009 L0907118-02		GB 16-8-9 6/2/2009 L0907118-01		GB 17-8-9 6/2/2009 L0907118-03		GB 18-7-8 6/2/2009 L0907118-04		GB 19-2-3 6/2/2009 L0907118-05		GB20-8-9 5/29/2009 L0906972-02		GB21-5-6 6/1/2009 L0907033-02		SV5-3-4 5/29/2009 L0906972-06	
Volatile Organics by GC/MS - Westborough Lab																								
Styrene	N/A	mg/kg	0.006	U	0.0066	U	0.007	U	0.0066	U	0.0069		0.0082	U	0.0064	U	0.0062	U	0.098		0.0056	U	0.006	U
Acetone	0.2	mg/kg	0.03	U	0.033	U	0.074		**0.24**		0.032	U	0.18		0.15		0.031	U	**0.53**		0.028	U	0.12	
2-Butanone	0.3	mg/kg	0.03	U	0.033	U	0.035	U	0.053		0.032	U	0.041	U	0.032	U	0.031	U	0.13		0.028	U	0.03	U
Semivolatile Organics by GC/MS-SIM - Westborough Lab																								
Acenaphthene	50	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	0.22	D[10]	0.085	U,D[5]	0.17	U,D[10]	0.062	D[2]	0.015	U	0.16	U,D[10]
2-Chloronaphthalene	N/A	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	0.22	U,D[10]	0.085	U,D[5]	0.17	U,D[10]	0.037	U,D[2]	0.015	U	0.16	U,D[10]
Fluoranthene	50	mg/kg	0.46	D[5]	0.088	U,D[5]	0.57		0.75	D[10]	0.2	D[10]	6.5	D[10]	1.2	D[5]	1.9	D[10]	0.76	D[2]	0.015	U	0.16	U,D[10]
Hexachlorobutadiene	N/A	mg/kg	0.2	U,D[5]	0.22	U,D[5]	0.23	U,D[5]	0.44	U,D[10]	0.42	U,D[10]	0.55	U,D[10]	0.21	U,D[5]	0.42	U,D[10]	0.092	U,D[2]	0.037	U	0.4	U,D[10]
Naphthalene	13	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	0.22	U,D[10]	0.36	D[5]	0.34	D[10]	0.093	D[2]	0.015	U	0.16	U,D[10]
Benzo(a)anthracene	0.224	mg/kg	**0.36**	D[5]	0.11	D[5]	**0.31**	D[5]	**0.66**	D[10]	**0.36**	D[10]	**3**	D[10]	**0.6**	D[5]	**1.1**	D[10]	**0.36**	D[2]	0.015	U	0.16	U,D[10]
Benzo(a)pyrene	0.061	mg/kg	**0.42**	D[5]	**0.16**	D[5]	**0.42**	D[5]	**1.1**	D[10]	**0.38**	D[10]	**2.3**	D[10]	**0.52**	D[5]	**1.1**	D[10]	**0.32**	D[2]	0.015	U	0.16	U,D[10]
Benzo(b)fluoranthene	0.22	mg/kg	**0.5**	D[5]	**0.27**	D[5]	**0.62**	D[5]	**0.98**	D[10]	**0.36**	D[10]	**2.1**	D[10]	**0.51**	D[5]	**1.1**	D[10]	**0.5**	D[2]	0.015	U	0.16	U,D[10]
Benzo(k)fluoranthene	0.22	mg/kg	0.21	D[5]	0.12	D[5]	**0.23**	D[5]	**0.84**	D[10]	**0.3**	D[10]	**1.8**	D[10]	**0.48**	D[5]	**0.89**	D[10]	0.15	D[2]	0.015	U	0.16	U,D[10]
Chrysene	0.4	mg/kg	0.37	D[5]	0.088	U,D[5]	0.35	D[5]	**0.51**	D[10]	0.21	D[10]	**3.2**	D[10]	**0.55**	D[5]	**1**	D[10]	**0.42**	D[2]	0.015	U	0.16	U,D[10]
Acenaphthylene	50	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	0.22	U,D[10]	0.085	U,D[5]	0.17	U,D[10]	0.037	D[2]	0.015	U	0.16	U,D[10]
Anthracene	50	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	1.2	D[10]	0.24	D[5]	0.27	D[10]	0.1	D[2]	0.015	U	0.16	U,D[10]
Benzo(ghi)perylene	50	mg/kg	0.36	D[5]	0.22	D[5]	0.37	D[5]	1.3	D[10]	0.28	D[10]	1.8	D[10]	0.37	D[5]	0.92	D[10]	0.15	D[2]	0.015	U	0.16	U,D[10]
Fluorene	50	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	0.73	D[10]	0.13	D[5]	0.17	U,D[10]	0.19	D[2]	0.015	U	0.16	U,D[10]
Phenanthrene	50	mg/kg	0.14	D[5]	0.088	U,D[5]	0.25	D[5]	0.18	U,D[10]	0.17	U,D[10]	1.4	D[10]	0.81	D[5]	0.83	D[10]	0.52	D[2]	0.015	U	0.16	U,D[10]
Dibenzo(a,h)anthracene	0.0143	mg/kg	**0.094**	D[5]	0.088	U,D[5]	**0.097**	D[5]	**0.47**	D[10]	0.17	U,D[10]	**0.76**	D[10]	**0.18**	D[5]	**0.38**	D[10]	**0.057**	D[2]	0.015	U	0.16	U,D[10]
Indeno(1,2,3-cd)Pyrene	3.2	mg/kg	0.24	D[5]	0.13	D[5]	0.25	D[5]	1	D[10]	0.35	D[10]	1.3	D[10]	0.35	D[5]	0.78	D[10]	0.13	D[2]	0.015	U	0.16	U,D[10]
Pyrene	50	mg/kg	0.48	D[5]	0.088	U,D[5]	0.52	D[5]	0.73	D[10]	0.2	D[10]	6.1	D[10]	1	D[5]	1.7	D[10]	0.68	D[2]	0.015	U	0.16	U,D[10]
2-Methylnaphthalene	36.4	mg/kg	0.08	U,D[5]	0.088	U,D[5]	0.094	U,D[5]	0.18	U,D[10]	0.17	U,D[10]	0.22	U,D[10]	0.095	D[5]	0.17	U,D[10]	0.062	D[2]	0.015	U	0.16	U,D[10]
Chlorinated Herbicides by GC - Westborough Lab	-	mg/kg	No Detections																					
Organochlorine Pesticides by GC - Westborough Lab																								
4,4'-DDE	2.1	mg/kg	0.0795	U,D[25]	0.00438	U	0.00469	U	0.11	U,D[25]	0.0723		0.683	U,D[125]	0.107	U,D[25]	0.00417	U	0.116	U,D[25]	0.0037	U	0.00397	U
4,4'-DDD	2.9	mg/kg	0.0795	U,D[25]	0.00438	U	0.00469	U	0.11	U,D[25]	0.0281		0.683	U,D[125]	0.107	U,D[25]	0.00417	U	0.116	U,D[25]	0.0037	U	0.00397	U
4,4'-DDT	2.1	mg/kg	0.0795	U,D[25]	0.00438	U	0.00469	U	0.11	U,D[25]	0.11		0.683	U,D[125]	0.107	U,D[25]	0.00417	U	0.116	U,D[25]	0.0037	U	0.00397	U
Polychlorinated Biphenyls by GC - Westborough Lab																								
Aroclor 1260	1	mg/kg	0.0402	U	0.0438	U	0.0469	U	0.0438	U	0.0422	U	0.0546	U	0.0427	U	0.0912		0.0463	U	0.037	U	0.0397	U
General Chemistry - Westborough Lab																								
Solids, Total	-	%	83		76		71		76		79		61		78		80		72		90		84	

NOTES:
1) Reference Standard in New York State Department of Environmental Conservation TAGM 4046 Recommended Soil Cleanup Objectives.

2) NYSDEC exceedances are highlighted and in **BOLD**.

3) Dilution factor is equal to one unless otherwise indicated.

mg/kg = milligrams per kilogram
N/A= Not Available

Qualifiers:
J = Result is less than the Reporting Limit, but greater than or equal to the method detection limit.
U = Analyte included in the analysis but not detected.
D^5 = Dilution factor
O01= Compound is a common laboratory contaminant.

Table 5- Site Characterization Soil Sample Detection Summary
Metals
Rikers Island, Bronx, New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TAGM RSCOs	Units	B-1(OW) 5-6 5/28/2009 L0906901-03		B2(OW)-2-3 5/29/2009 L0906972-05		B3-2-3 6/2/2009 L0907118-06		B4-4-6 6/5/2009 L0907461-01		B5-3-5 6/3/2009 L0907461-03		B6-1-3 6/4/2009 L0907461-02		B7(OW)-2-4 6/10/2009 L0907895-02		B8(OW)-3-5 6/9/2009 L0907895-01		B10-5-7 6/12/2009 L0907895-03	
Total Metals - Westborough Lab																				
Aluminum, Total	33,000	mg/kg	8200		3100		11000		12000		8500		11000		10000		5300		3100	
Antimony, Total	N/A	mg/kg	2.4	U	4.5		2.2	U	2.3	U	2.3	U	2.3	U	2.2	U	5.7		2.4	U
Arsenic, Total	7.5	mg/kg	**9.3**		5.9		2		3.4		**7.6**		3.8		3.2		**19**		6.7	
Barium, Total	300	mg/kg	230		170		110		82		190		50		84		**730**		**1500**	
Beryllium, Total	0.16	mg/kg	**0.55**		**0.38**		**0.76**		**0.73**		**0.64**		**0.51**		**0.55**		**0.32**		**0.34**	
Cadmium, Total	1	mg/kg	0.48	U	0.62		0.55		0.48		**1**		0.46	U	0.59		**3**		**1.2**	
Calcium, Total	35,000	mg/kg	3800		**35000**		1400		1100		5200		1600		7900		12000		21000	
Chromium, Total	10	mg/kg	**30**		9.6		**28**		**26**		**25**		**17**		**20**		**35**		**15**	
Cobalt, Total	30	mg/kg	7.3		4.1		9.8		7.8		7.1		5.7		6.9		6.4		4.7	
Copper, Total	25	mg/kg	**150**		**100**		22		**33**		**160**		20		**38**		**410**		**260**	
Iron, Total	2,000	mg/kg	**22000**	D^5	**20000**	D^5	**17000**		**17000**		**34000**	D^5	**13000**		**15000**		**53000**	D^{10}	**12000**	
Lead, Total	500**	mg/kg	420		310		8.9		68		370		86		110		**1300**		**530**	
Magnesium, Total	5,000	mg/kg	2100		4800		3400		3100		3900		2400		**7200**		1800		**11000**	
Manganese, Total	5,000	mg/kg	290		150		760		360		310		250		450		280		170	
Mercury, Total	0.1	mg/kg	**0.94**		**0.82**		0.08	U	**0.9**		**2.5**	D^2	**0.25**		**0.51**		**4.1**	D^5	**1.8**	
Nickel, Total	13	mg/kg	**25**		**17**		**22**		**16**		**19**		12		**13**		**30**		**19**	
Potassium, Total	43,000	mg/kg	1300		840		3300		**2400**		2000	D^5	790		2100		770		510	
Selenium, Total	2	mg/kg	1.4		1		0.88	U	0.93	U	0.91	U	0.93	U	0.9	U	1.9		0.97	U
Silver, Total	N/A	mg/kg	0.63		0.62		0.44	U	0.47	U	0.46	U	0.46	U	0.45	U	2.2		1.1	
Sodium, Total	8,000	mg/kg	1200		650		700		320		520		470		970		910		690	
Thallium, Total	N/A	mg/kg	0.96	U	0.95	U	0.88	U	4.7	U,D^5	4.6	U,D^5	4.6	U,D^5	9	U,D^{10}	10	U,D^{10}	9.7	U,D^{10}
Vanadium, Total	150	mg/kg	27		13		29		29		26		19		25		21		16	
Zinc, Total	20	mg/kg	**240**		**260**		**42**		**72**		**640**	D^5	**72**		**69**		**1200**	D^{10}	**440**	

NOTES:
1) Reference Standard in New York State
Department of Environmental Conservation
TAGM 4046 Recommended Soil Cleanup
Objectives
2) NYSDEC exceedances are highlighted and in **BOLD**.
3) Dilution factor is equal to one unless otherwise indicated.

mg/kg = milligrams per kilogram
N/A= Not Available
*** = Background levels for lead vary widely. Average background levels in metropolitan or suburban areas or near highways typically range from 200-500 mg/kg

Qualifiers:
J = Result is less than the Reporting Limit, but greater than or equal to the method detection limit.
U = Analyte included in the analysis but not detected.
D^5 = Dilution factor
O01= Compound is a common laboratory contaminant.

Table 5- Site Characterization Soil Sample Detection Summary
Metals
Rikers Island, Bronx, New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TAGM RSCOs	Units	GB1-7-8 5/28/2009 L0906901-05	GB2-9-10 5/28/2009 L0906901-04	GB3-2-3 5/27/2009 L0906901-06	GB4-7-8 5/28/2009 L0906901-07	GB5-8-9 5/28/2009 L0906901-08	GB6-3-4 5/27/2009 L0906901-02	GB7-6-7 5/28/2009 L0906901-01	GB8-5-6 5/28/2009 L0906972-01	GB9-8-9 5/29/2009 L0906972-03	GB10-3-4 5/29/2009 L0906972-04	GB11-7-8 6/1/2009 L0907033-01
Total Metals - Westborough Lab													
Aluminum, Total	33,000	mg/kg	4800	6700	6200	11000	8800	7400	12000	8300	7700	9700	12000
Antimony, Total	N/A	mg/kg	3.3	8.9	2.2 U	2.3 U	2.3 U	2.3 U	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U
Arsenic, Total	7.5	mg/kg	**16**	**20**	5.2	3.6	2.9	**8.4**	2.7	1.6	1	0.95	2.3
Barium, Total	300	mg/kg	280	**400**	110	93	83	120	52	45	42	110	66
Beryllium, Total	0.16	mg/kg	**0.62**	**0.67**	**0.42**	**0.58**	**0.46**	**0.49**	**0.53**	**0.5**	**0.56**	**0.55**	**0.56**
Cadmium, Total	1	mg/kg	0.83	0.79	0.44 U	0.46 U	0.46 U	0.45 U	0.44 U	0.42 U	0.42 U	0.43 U	0.45 U
Calcium, Total	35,000	mg/kg	6100	4000	14000	2000	1100	13000	1100	1000	2800	1400	830
Chromium, Total	10	mg/kg	**14**	**21**	**22**	**25**	**18**	**24**	**22**	**20**	**18**	**22**	**25**
Cobalt, Total	30	mg/kg	6.7	9.2	5.6	7.3	7.2	6.4	9.2	7.1	6.8	9.8	8
Copper, Total	25	mg/kg	**220**	**260**	**99**	**64**	**35**	**84**	16	**28**	23	24	20
Iron, Total	2,000	mg/kg	**15000** D^5	**29000** D^5	**16000** D^5	**22000** D^5	**18000** D^5	**18000** D^5	**21000** D^5	**20000** D^5	**18000** D^5	**25000** D^5	**25000** D^5
Lead, Total	500**	mg/kg	**650**	**1800**	180	**980**	84	270	13	5.4	4.4	6.2	5.8
Magnesium, Total	5,000	mg/kg	2200	1600	4000	3400	2000	8200	2900	2800	3000	3300	2800
Manganese, Total	5,000	mg/kg	300	240	200	340	330	260	360	300	240	1000	450
Mercury, Total	0.1	mg/kg	**1.9** D^2	**1.9**	**0.64**	**0.25**	**0.24**	**0.96**	0.08 U	0.09 U	0.09 U	0.08 U	0.09 U
Nickel, Total	13	mg/kg	**19**	**21**	**18**	**16**	**13**	**17**	**13**	12	**14**	**20**	**16**
Potassium, Total	43,000	mg/kg	610	1000	1200	2200	1300	1400	1600	1800	1300	3500	2000
Selenium, Total	2	mg/kg	**2.2**	**2.5**	0.9	0.93 U	0.92 U	0.99	0.87 U	0.84 U	0.85 U	0.86 U	0.89 U
Silver, Total	N/A	mg/kg	1	1.2	0.52	0.46 U	0.46 U	0.45	0.44 U	0.42 U	0.42 U	0.43 U	0.45 U
Sodium, Total	8,000	mg/kg	780	420	850	200	780	450	330	720	580	980	910
Thallium, Total	N/A	mg/kg	0.97 U	1 U	0.88 U	0.93 U	0.92 U	0.91 U	0.87 U	0.84 U	0.85 U	0.86 U	0.89 U
Vanadium, Total	150	mg/kg	22	26	30	29	24	30	28	30	26	33	31
Zinc, Total	20	mg/kg	**500**	**480**	**140**	**98**	**75**	**140**	**44**	**49**	**35**	**54**	**43**

NOTES:
1) Reference Standard in New York State
Department of Environmental Conservation
TAGM 4046 Recommended Soil Cleanup
2) NYSDEC exceedances are highlighted and in **BOLD**.
3) Dilution factor is equal to one unless otherwise indicated.

mg/kg = milligrams per kilogram
N/A= Not Available
*** = Background levels for lead vary widely. Average backgro

Qualifiers:
J = Result is less than the Reporting Limit, but greater than or
U = Analyte included in the analysis but not detected.
D^5 = Dilution factor
O01= Compound is a common laboratory contaminant.

Table 5- Site Characterization Soil Sample Detection Summary
Metals
Rikers Island, Bronx, New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDEC TAGM RSCOs	Units	GB12-3-4 6/1/2009 L0907033-03	GB13-9-10 6/1/2009 L0907033-04	GB14-5-6 6/1/2009 L0907033-05	GB 15-4-5 6/2/2009 L0907118-02	GB 16-8-9 6/2/2009 L0907118-01	GB 17-8-9 6/2/2009 L0907118-03	GB 18-7-8 6/2/2009 L0907118-04	GB 19-2-3 6/2/2009 L0907118-05	GB20-8-9 5/29/2009 L0906972-02	GB21-5-6 6/1/2009 L0907033-02	SV5-3-4 5/29/2009 L0906972-06
Total Metals - Westborough Lab													
Aluminum, Total	33,000	mg/kg	4400	5500	5500	4000	11000 D^5	3200 D^5	6600 D^5	6800 D^5	3700	10000	3600
Antimony, Total	N/A	mg/kg	3.6	14	7.7	2.6 U	14 D^5	96 D^5	13 U,D^5	13 U,D^5	11	2.2 U	6.8
Arsenic, Total	7.5	mg/kg	**21**	**21**	**18**	**25**	**53** D^5	**62** D^5	**35** D^5	**25** D^5	**15**	1.3	**9**
Barium, Total	300	mg/kg	**320**	**670**	**590**	**320**	**1500** D^5	**630** D^5	**530** D^5	**920** D^5	**730**	67	**560**
Beryllium, Total	0.16	mg/kg	**0.62**	**0.97**	**0.91**	**0.47**	1.2 U,D^5	1.6 U,D^5	1.3 U,D^5	1.3 U,D^5	**0.63**	**0.54**	**0.52**
Cadmium, Total	1	mg/kg	**1.1**	**3.4**	**1.4**	0.72	**5.5** D^5	**5.8** D^5	**3.6** D^5	**7.1** D^5	**1.8**	0.44 U	**2.1**
Calcium, Total	35,000	mg/kg	7200	13000	6700	8600	27000 D^5	28000 D^5	16000 D^5	9700 D^5	16000	920	16000
Chromium, Total	10	mg/kg	**12**	**29**	**28**	**13**	**53** D^5	**150** D^5	**32** D^5	**62** D^5	**32**	**23**	**39**
Cobalt, Total	30	mg/kg	7.2	11	10	5.1	15 D^5	21 D^5	10 D^5	11 D^5	8.3	7.7	5.3
Copper, Total	25	mg/kg	**390**	**740**	**650**	**2100**	**1200** D^5	**460** D^5	**560** D^5	**660** D^5	**510**	20	**260**
Iron, Total	2,000	mg/kg	**22000** D^5	**92000** D^{10}	**33000** D^5	**13000**	**47000** D^5	**240000** D^{10}	**44000** D^5	**56000** D^5	**68000** D^{10}	**23000** D^5	**18000** D^5
Lead, Total	500**	mg/kg	**820**	**1600**	**1300**	440	**3000** D^5	**7800** D^5	**1400** D^5	**1400** D^5	**1100**	4.8	**960**
Magnesium, Total	5,000	mg/kg	1600	2900	1200	1200	**7000** D^5	**7200** D^5	2400 D^5	1300 D^5	1400	2800	**6400**
Manganese, Total	5,000	mg/kg	150	360	200	120	440 D^5	1100 D^5	280 D^5	430 D^5	320	370	130
Mercury, Total	0.1	mg/kg	**2.5** D^5	**3.4** D^5	**2.4** D^5	**1.5**	**1.4**	**2.2**	**11** D^{10}	**4.6** D^5	**2.8** D^2	0.09 U	**0.87**
Nickel, Total	13	mg/kg	**18**	**52**	**34**	**15**	**65** D^5	**120** D^5	**35** D^5	**74** D^5	**40**	**16**	**24**
Potassium, Total	43,000	mg/kg	670	850	1200	550	2200 D^5	820 U,D^5	630 U,D^5	980 D^5	710	1700	440
Selenium, Total	2	mg/kg	**2.5**	**5**	**4**	1.5	5 U,D^5	6.5 U,D^5	5.1 U,D^5	5 U,D^5	**3.3**	0.89 U	1.8
Silver, Total	N/A	mg/kg	1.2	2.8	2.1	2.2	5.8 D^5	3.3 U,D^5	2.5 U,D^5	7 D^5	3	0.44 U	3.7
Sodium, Total	8,000	mg/kg	1700	1900	1800	1200	4300 D^5	2200 D^5	1900 D^5	1400 D^5	1500	860	460
Thallium, Total	N/A	mg/kg	0.96 U	1 U	1.1 U	1.1 U	5 U,D^5	13 U,D^{10}	5.1 U,D^5	5 U,D^5	1.1 U	0.89 U	0.9 U
Vanadium, Total	150	mg/kg	19	63	28	23	48 D^5	18 D^5	**25** D^5	32 D^5	17	29	22
Zinc, Total	20	mg/kg	**470**	**1200**	**780**	**1200** D^{10}	**2200** D^5	**1600** D^5	**1100** D^5	**1400** D^5	**810**	**43**	**720**

NOTES:
1) Reference Standard in New York State
Department of Environmental Conservation
TAGM 4046 Recommended Soil Cleanup
2) NYSDEC exceedances are highlighted and in **BOLD**.
3) Dilution factor is equal to one unless otherwise indicated.

mg/kg = milligrams per kilogram
N/A= Not Available
*** = Background levels for lead vary widely. Average backgro

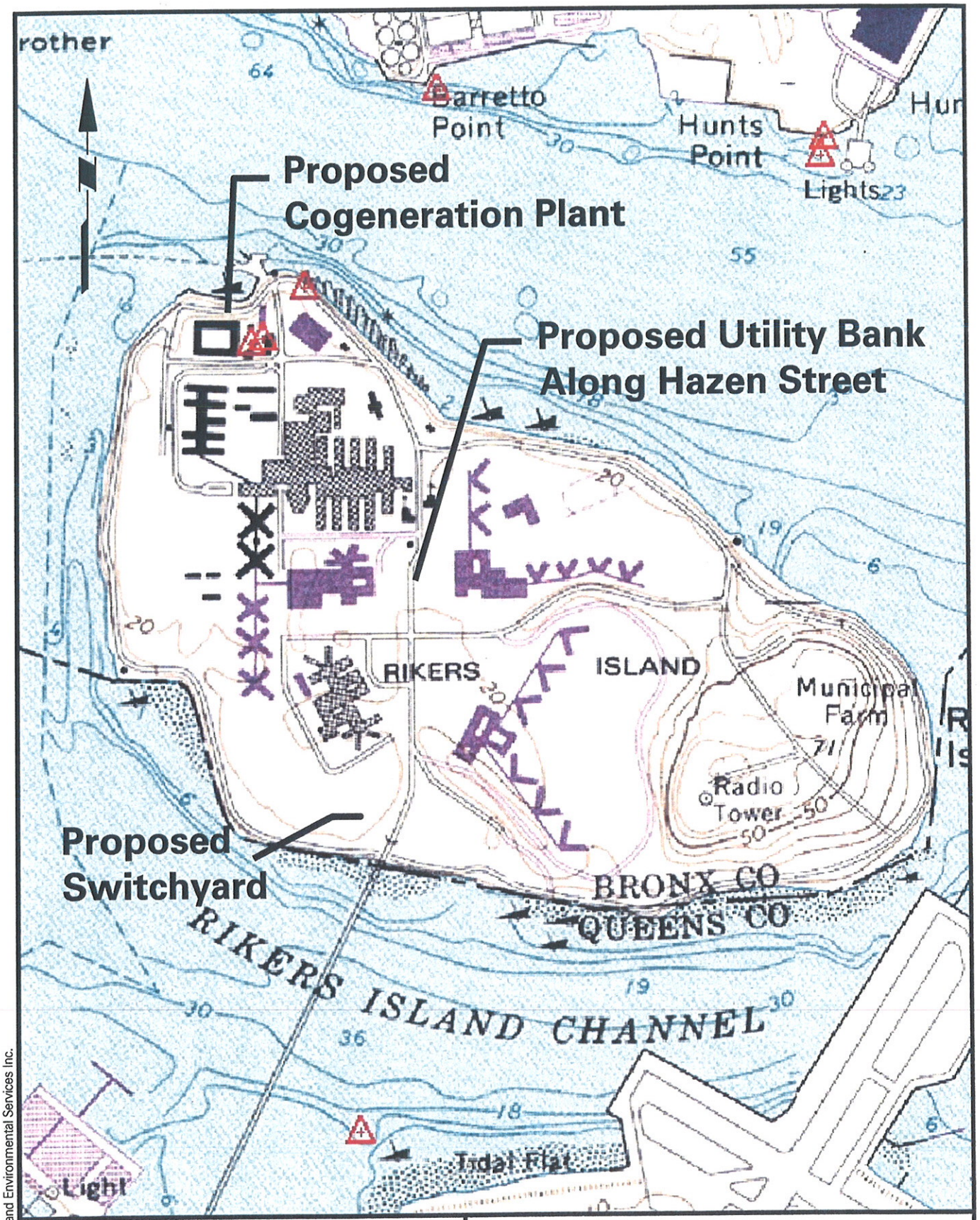
Qualifiers:
J = Result is less than the Reporting Limit, but greater than or
U = Analyte included in the analysis but not detected.
D^5 = Dilution factor
O01= Compound is a common laboratory contaminant.

Table 6- Soil Vapor Detection Summary
Rikers Island, Bronx New York
Langan Project No. 5817801

LOCATION SAMPLING DATE LAB SAMPLE ID	EPA BASE Outdoor Air 90th Percentile- Max	EPA BASE Indoor Air 90th Percentile- Max	SV-1-6/01/09 6/1/2009 L0907044-02		SV-2-6/01/09 6/1/2009 L0907044-03		SV-3-6/01/09 6/1/2009 L0907044-01		SV-4-6/01/09 6/1/2009 L0907044-04		SV-5-6/01/09 6/1/2009 L0907044-05		SV6-6/2/09 6/2/2009 L0907132-01	
Volatile Organics in Air (µg/m^3)														
1,2,4-Trimethylbenzene	5.8	9.5	95.7	D^{5}	59.3	D^{5}	123	D^{2}	73.1	$D^{2.5}$	31.8	D^{10}	43.7	D^{10}
1,3,5-Trimethybenzene	2.7	3.7	27.5	D^{5}	16	D^{5}	32.1	D^{2}	21.4	$D^{2.5}$	9.82	UD^{10}	12.8	D^{10}
1,3-Butadiene	ND	ND	2.21	UD^{5}	2.21	UD^{5}	0.884	UD^{2}	1.16	$D^{2.5}$	8.63	D^{10}	4.42	UD^{10}
1,3-Dichlorobenzene	ND	ND	6.01	UD^{5}	6.01	UD^{5}	2.4	UD^{2}	3.25	$D^{2.5}$	12	UD^{10}	12	UD^{10}
2,2,4-Trimethylpentane	-	-	4.67	UD^{5}	4.67	UD^{5}	1.87	UD^{2}	2.33	$UD^{2.5}$	9.34	UD^{10}	44.7	D^{10}
2-Butanone	11.3	12	1410	D^{5}	2230	D^{10}	912	D^{5}	831	D^{10}	6360	$D^{7.6.11}$	1950	D^{10}
2-Hexanone	-	-	29.8	D^{5}	63	D^{5}	54.3	D^{2}	39.6	$D^{2.5}$	198	D^{10}	79.1	D^{10}
4-Ethyltoluene	3	3.6	19.5	D^{5}	10.5	D^{5}	24	D^{2}	13.5	$D^{2.5}$	9.82	UD^{10}	9.82	UD^{10}
Acetone	43.7	98.9	448	D^{5}	739	D^{5}	341	D^{2}	390	$D^{2.5}$	3990	$D^{7.6.11}$	928	D^{10}
Benzene	6.6	9.4	3.19	UD^{5}	3.19	UD^{5}	3.39	D^{2}	2.07	$D^{2.5}$	96.6	D^{10}	9.21	D^{10}
Carbon disulfide	3.7	4.2	3.11	UD^{5}	3.11	UD^{5}	8.05	D^{2}	5.77	$D^{2.5}$	36.8	D^{10}	27	D^{10}
Chloroform	0.6	1.1	4.91	D^{5}	4.88	UD^{5}	2.56	D^{2}	3.07	$D^{2.5}$	9.76	UD^{10}	9.76	UD^{10}
Chloromethane	3.7	3.7	2.06	UD^{5}	2.06	UD^{5}	0.825	UD^{2}	1.03	$UD^{2.5}$	5.11	D^{10}	4.13	UD^{10}
Cyclohexane	-	-	3.44	UD^{5}	3.44	UD^{5}	2.51	D^{2}	1.72	$UD^{2.5}$	12.3	D^{10}	16.8	D^{10}
Dichlorodifluoromethane	8.1	16.5	4.94	UD^{5}	4.94	UD^{5}	4.76	D^{2}	9.18	$D^{2.5}$	9.88	UD^{10}	9.88	UD^{10}
Ethanol	57	210	100	D^{5}	177	D^{5}	69.9	D^{2}	112	$D^{2.5}$	882	D^{10}	220	D^{10}
Ethylbenzene	3.5	5.7	17.6	D^{5}	11.5	D^{5}	25.8	D^{2}	15.4	$D^{2.5}$	11.5	D^{10}	15	D^{10}
Isopropanol	-	-	6.25	D^{5}	10	D^{5}	3.4	D^{2}	3.29	$D^{2.5}$	93.5	D^{10}	24.3	D^{10}
4-Methyl-2-pentanone	1.9	6	9.51	D^{5}	6.25	D^{5}	7.36	D^{2}	6.41	$D^{2.5}$	8.19	UD^{10}	8.19	UD^{10}
Methyl tert butyl ether	6.2	11.5	4.46	D^{5}	3.6	UD^{5}	1.44	UD^{2}	1.8	$UD^{2.5}$	7.2	UD^{10}	7.51	D^{10}
p/m-Xylene	12.8	22.2	68.6	D^{5}	38.2	D^{5}	87	D^{2}	50.1	$D^{2.5}$	32.1	D^{10}	44.6	D^{10}
o-Xylene	4.6	7.9	30	D^{5}	17.2	D^{5}	39.8	D^{2}	23.1	$D^{2.5}$	12.8	D^{10}	19.2	D^{10}
Heptane	-	-	5.89	D^{5}	6.06	D^{5}	5.6	D^{2}	3.74	$D^{2.5}$	71.2	D^{10}	272	D^{10}
n-Hexane	6.4	10.2	3.52	UD^{5}	5.41	D^{5}	2.08	D^{2}	3.06	$D^{2.5}$	109	D^{10}	763	D^{10}
Propylene	-	-	78.3	D^{5}	125	D^{5}	50.5	D^{2}	87.9	$D^{2.5}$	553	D^{10}	134	D^{10}
Styrene	1.3	1.9	12.1	D^{5}	6.22	D^{5}	19.8	D^{2}	17.3	$D^{2.5}$	8.51	UD^{10}	12	D^{10}
Tetrachloroethene	6.5	15.9	7.44	D^{5}	10.2	D^{5}	10.5	D^{2}	5.92	$D^{2.5}$	13.6	UD^{10}	13.6	UD^{10}
Tetrahydrofuran	-	-	616	D^{5}	338	D^{5}	459	D^{2}	405	$D^{2.5}$	310	D^{10}	364	D^{10}
Toluene	33.7	43	24.7	D^{5}	16.4	D^{5}	29	D^{2}	16.9	$D^{2.5}$	24	D^{10}	27.5	D^{10}
Trichlorofluoromethane	4.3	18.1	5.61	UD^{5}	5.61	UD^{5}	4.06	D^{2}	11.9	$D^{2.5}$	11.2	UD^{10}	11.2	UD^{10}
Fixed Gas Analysis (%)														
Methane	-	-	0.219	$UD^{2.187}$	0.192	$UD^{1.919}$	0.188	$UD^{1.884}$	0.201	$UD^{2.014}$	1.59	$D^{1.884}$	7.83	$D^{2.187}$

NOTES:
Results compared to the EPA 2001 Building Assessment and Survey Evaluation (BASE) indoor and outdoor air 90th percentile concentrations.
ug/m3- micrograms per meter cubed
U=Analyte included in the analysis but not detected
D^{x}= dilution factor
-= No comparison value (EPA 2001 BASE survey)
ND- Analytle included in EPA 2001 BASE survey bot not detected

FIGURES



LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com

NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA

NJ Certificate of Authorization No: 24GA27996400

Project RIKER'S ISLAND CO-GEN PLANT

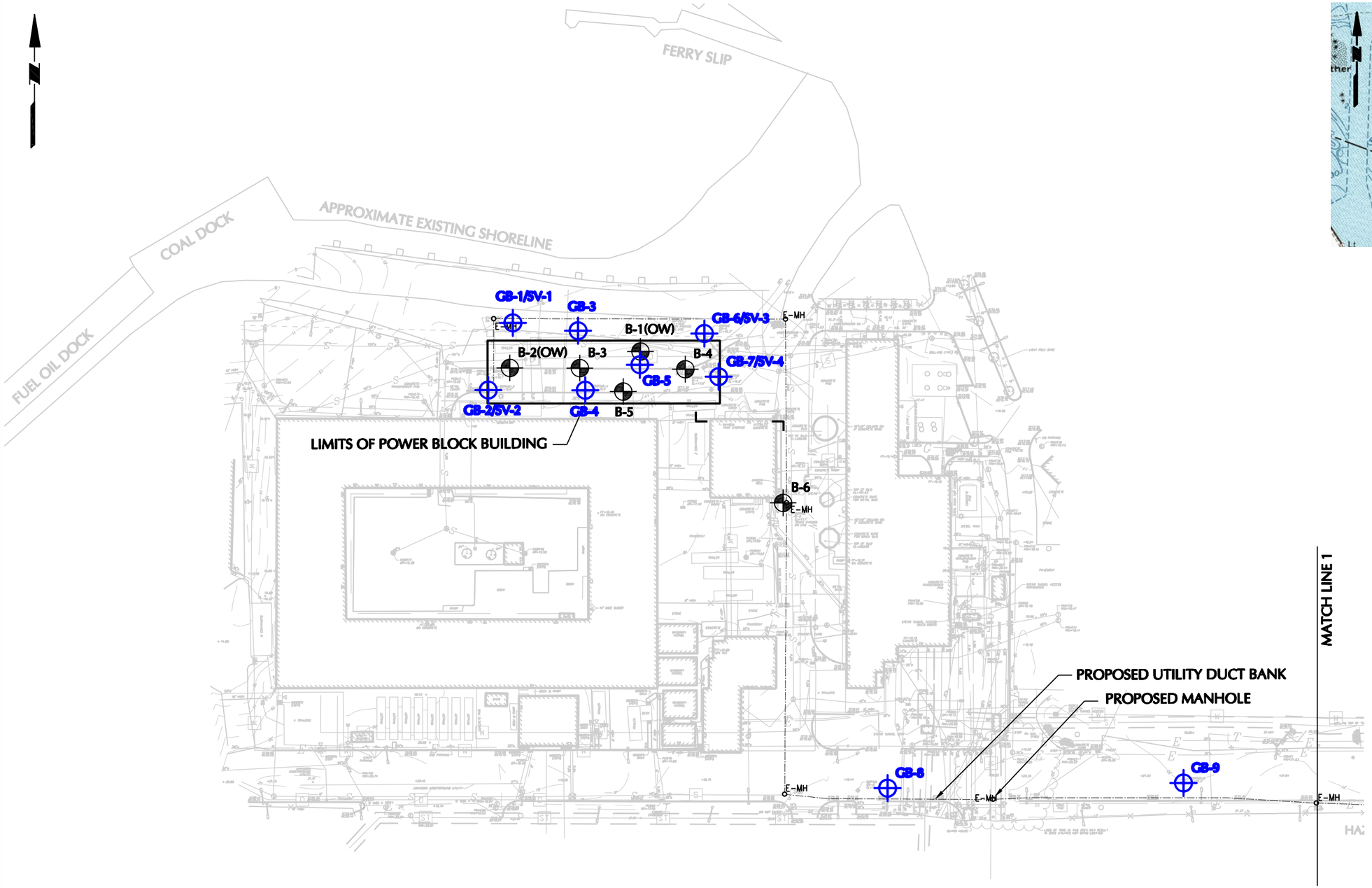
SITE LOCATION MAP

BRONX NEW YORK

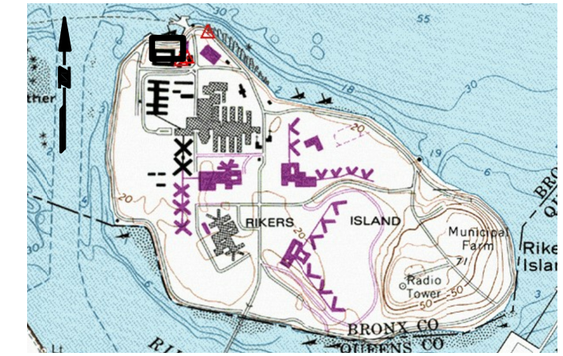
Project No.	Date	Scale	Dwg. No.
5817801	06/15/2009	NTS	1

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\005817802\Cadd Data - 005817802\Dwg\SITE LOCATION MAP.dwg Date: 7/23/2009 Time: 14:20 User: JGood Style Table: Langan.stb Layout: A Size Sheet (Bottom)



PLAN
SCALE 1IN = 100FT



KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
GB-1/SV-1	ENVIRONMENTAL GEOPROBE BORING AND SOIL VAPOR WELL
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL

100 0 50 100
SCALE IN FEET

GENERAL NOTES:

1. BASE PLAN TAKEN FROM SURVEY PREPARED BY LANGAN, DATED 9 JUNE 2009 AND "RIKERS ISLAND DOCKING FACILITY DRAWINGS", DATED 21 APRIL 1988.
2. ALL ELEVATIONS REFER TO THE BOROUGH PRESIDENT OF QUEENS DATUM, WHICH IS 2.725 FT ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ (NGVD 1929).
3. BORINGS B-1 THROUGH B-10 WERE DRILLED BY WARREN GEORGE BETWEEN 28 MAY AND 16 JUNE 2009 UNDER THE FULL TIME INSPECTION OF LANGAN.
4. BORINGS GB-1 THROUGH GB-21 AND SV-1 THROUGH SV-6 WERE DRILLED BY LAUREL ENVIRONMENTAL BETWEEN 27 MAY AND 2 JUNE 2009 UNDER THE FULL TIME INSPECTION OF LANGAN.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

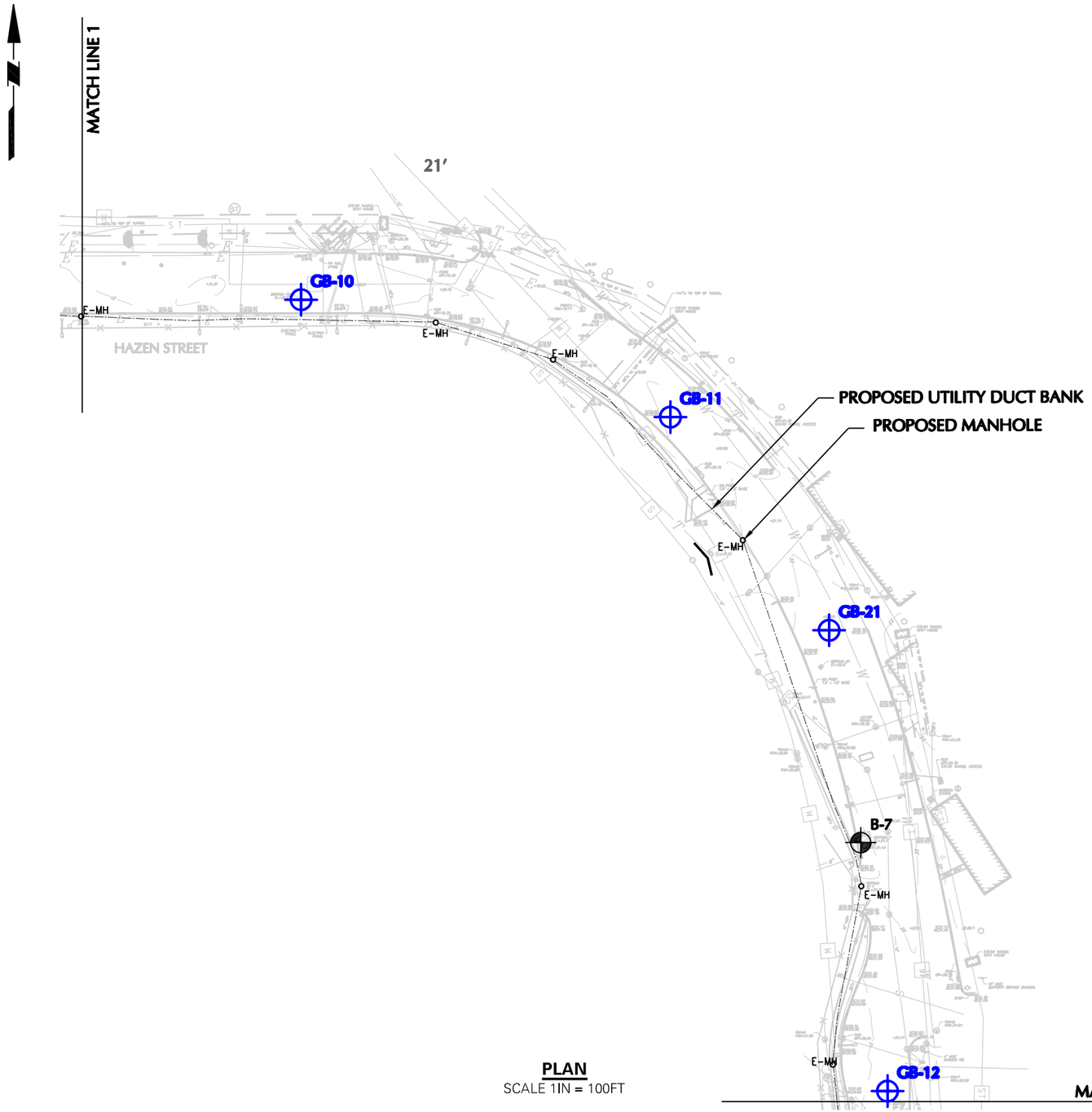
BORING LOCATION PLAN POWER BLOCK BUILDING

BRONX NEW YORK

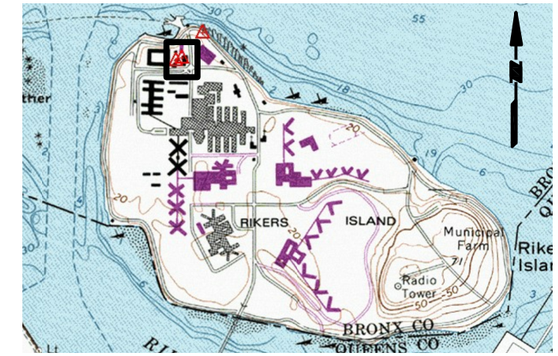
Project No.	Date	Scale	Dwg. No.
5817801	07/21/09	AS NOTED	2

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Final Environmental BLP 072109.dwg Date: 7/27/2009 Time: 8:46 User: JGood Style Table: Langan.stb Layout: GT PLANT



PLAN
SCALE 1IN = 100FT



KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL

100 0 50 100
SCALE IN FEET

NOTES:

1. SEE DRAWING NO.2 FOR GENERAL NOTES.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

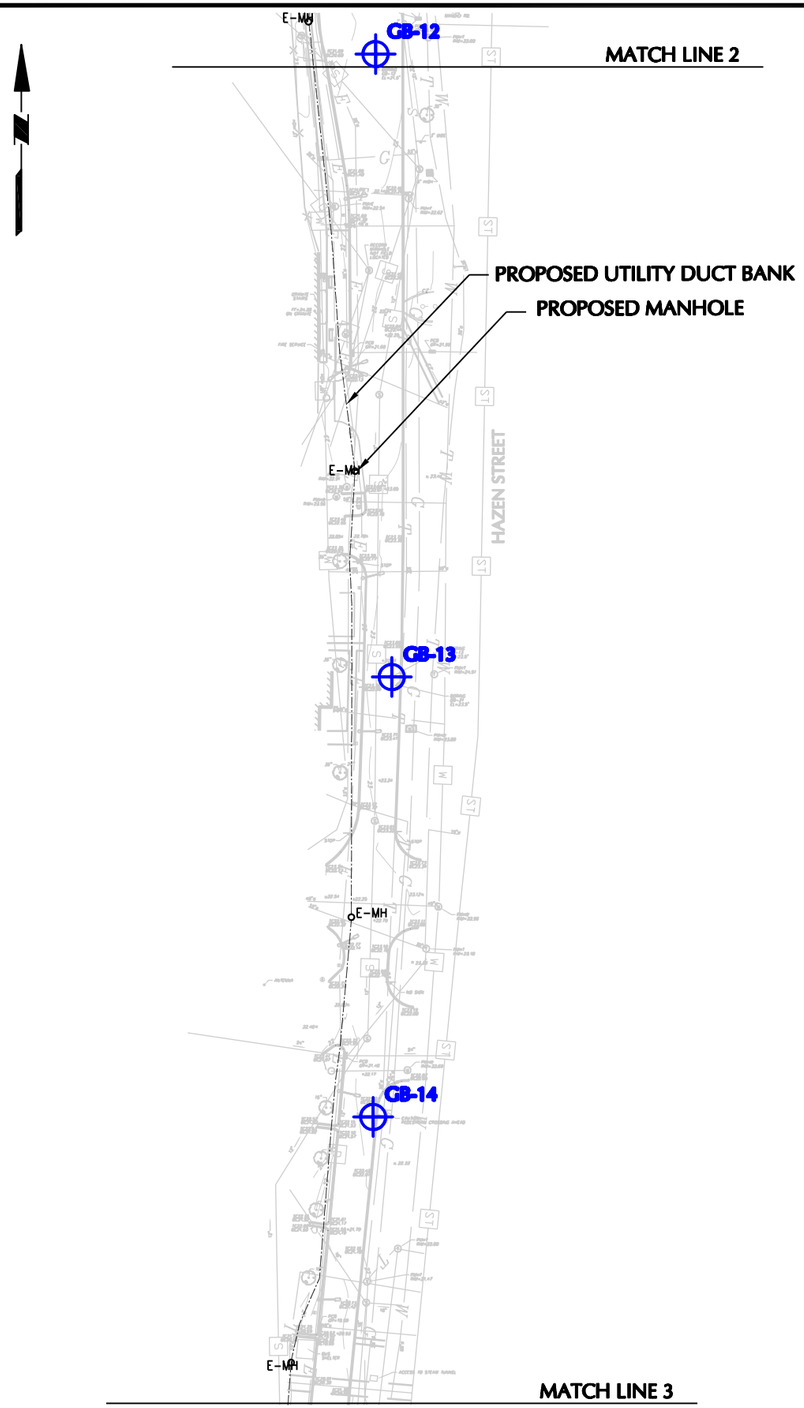
BORING LOCATION PLAN
UTILITY DUCTBANK - PART 1 OF 2

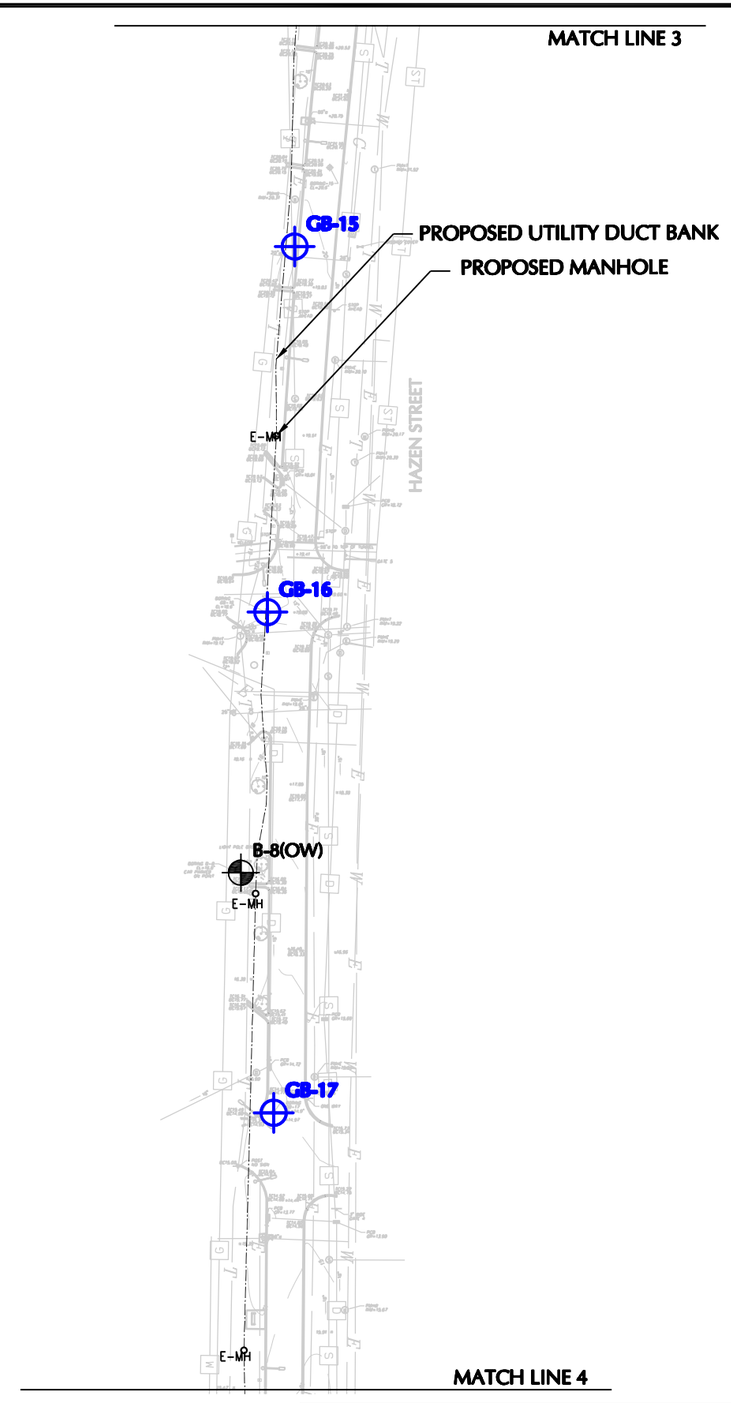
BRONX NEW YORK

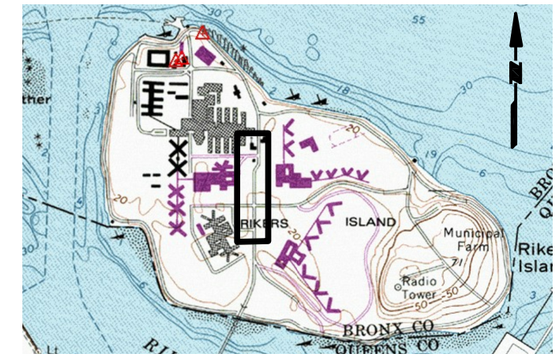
Project No.	Date	Scale	Dwg. No.
5817801	07/21/09	AS NOTED	3

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Final Environmental BLP 072109.dwg Date: 7/27/2009 Time: 8:46 User: JGood Style Table: Langan.stb Layout: DUCTBANK Pt 1







KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL

100 0 50 100
SCALE IN FEET

NOTES:

1. SEE DRAWING NO.2 FOR GENERAL NOTES.

PLAN
SCALE 1IN = 100FT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

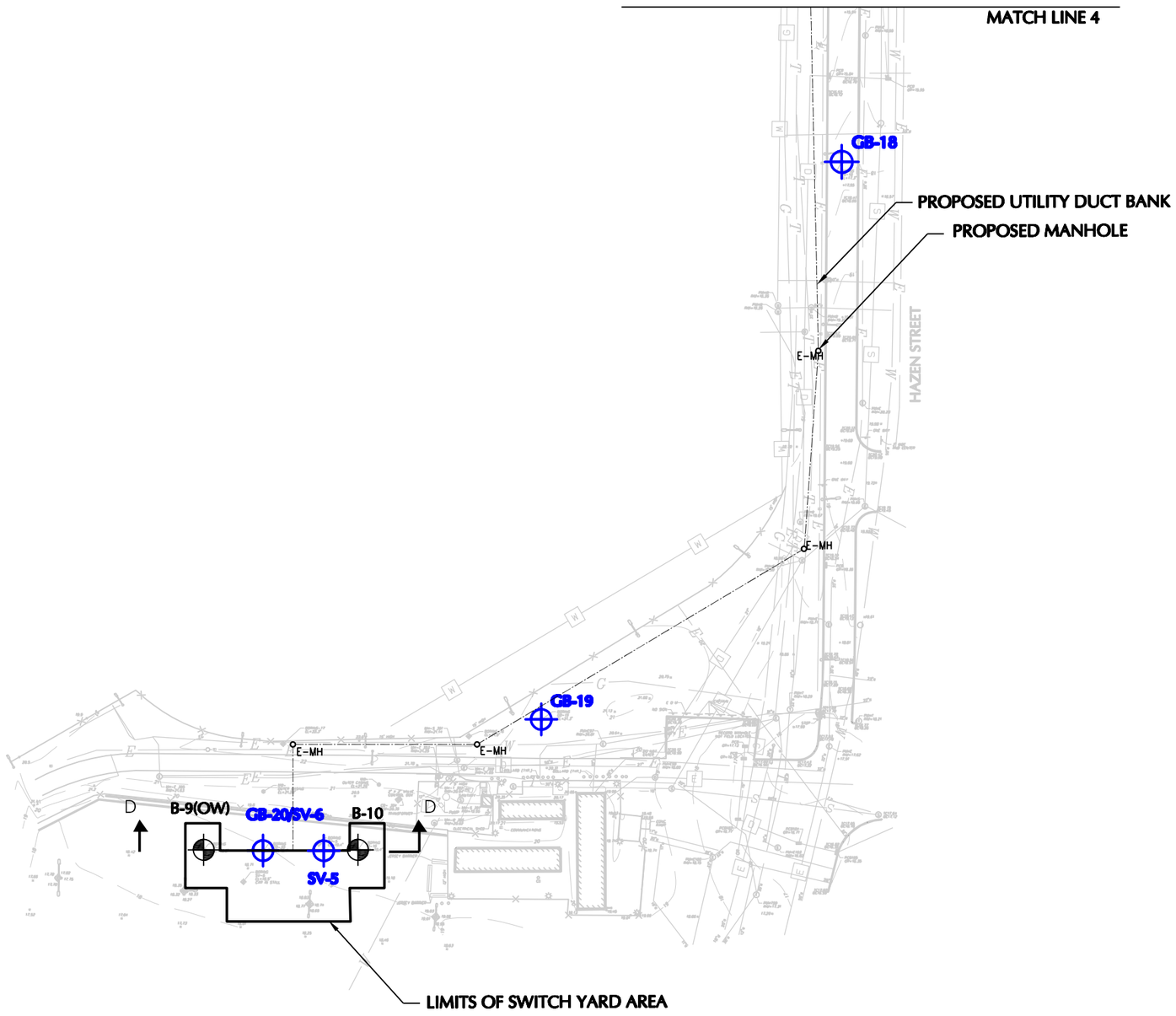
BORING LOCATION PLAN
UTILITY DUCT BANK - PART 2 OF 2

BRONX NEW YORK

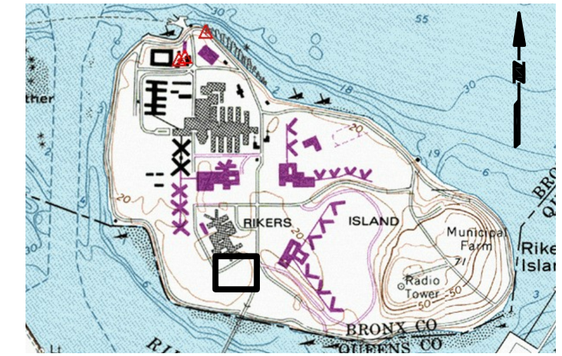
Project No.	Date	Scale	Dwg. No.
5817801	07/21/09	AS NOTED	4

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Final Environmental BLP 072109.dwg Date: 7/27/2009 Time: 8:45 User: JGood Style Table: Langan.stb Layout: DUCTBANK Pt 2



PLAN
SCALE 1IN = 100FT



KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
GB-20/SV-6	ENVIRONMENTAL GEOPROBE BORING AND SOIL VAPOR WELL
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL

100 0 50 100
SCALE IN FEET

NOTES:

1. SEE DRAWING NO.2 FOR GENERAL NOTES.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

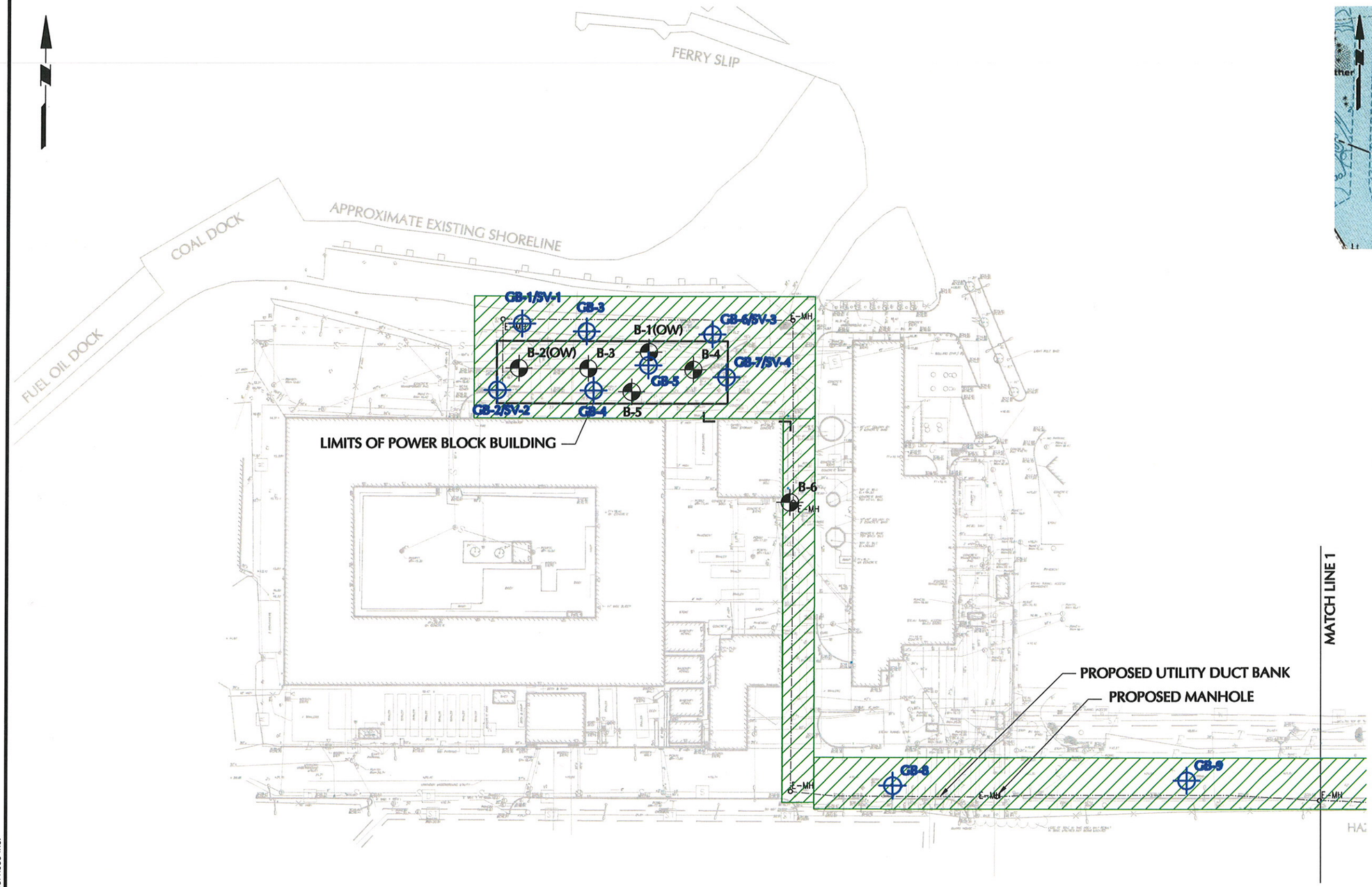
BORING LOCATION PLAN
SWITCH YARD AREA

BRONX NEW YORK

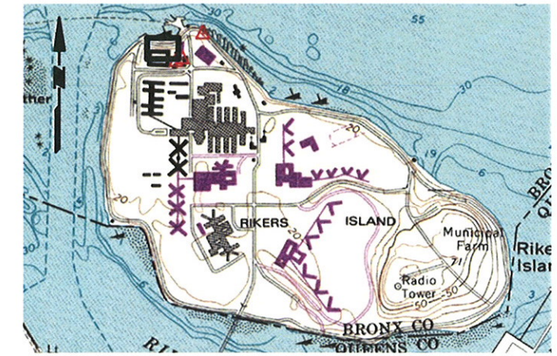
Project No.	Date	Scale	Dwg. No.
5817801	07/21/09	AS NOTED	5

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Final Environmental BLP 072109.dwg Date: 7/27/2009 Time: 8:44 User: JGood Style Table: Langan.stb Layout: ELECTRIC ROOM



PLAN
SCALE 1IN = 100FT



KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
GB-1/SV-1	ENVIRONMENTAL GEOPROBE BORING AND SOIL VAPOR WELL
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL
	APPROXIMATE AREA OF HISTORIC FILL: NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE (MAXIMUM DEPTH OF INVESTIGATION)

100 0 50 100
SCALE IN FEET

GENERAL NOTES:

1. BASE PLAN TAKEN FROM SURVEY PREPARED BY LANGAN, DATED 9 JUNE 2009 AND "RIKERS ISLAND DOCKING FACILITY DRAWINGS", DATED 21 APRIL 1988.
2. ALL ELEVATIONS REFER TO THE BOROUGH PRESIDENT OF QUEENS DATUM, WHICH IS 2.725 FT ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ (NGVD 1929).
3. BORINGS B-1 THROUGH B-10 WERE DRILLED BY WARREN GEORGE BETWEEN 28 MAY AND 16 JUNE 2009 UNDER THE FULL TIME INSPECTION OF LANGAN.
4. BORINGS GB-1 THROUGH GB-21 AND SV-1 THROUGH SV-6 WERE DRILLED BY LAUREL ENVIRONMENTAL BETWEEN 27 MAY AND 2 JUNE 2009 UNDER THE FULL TIME INSPECTION OF LANGAN.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

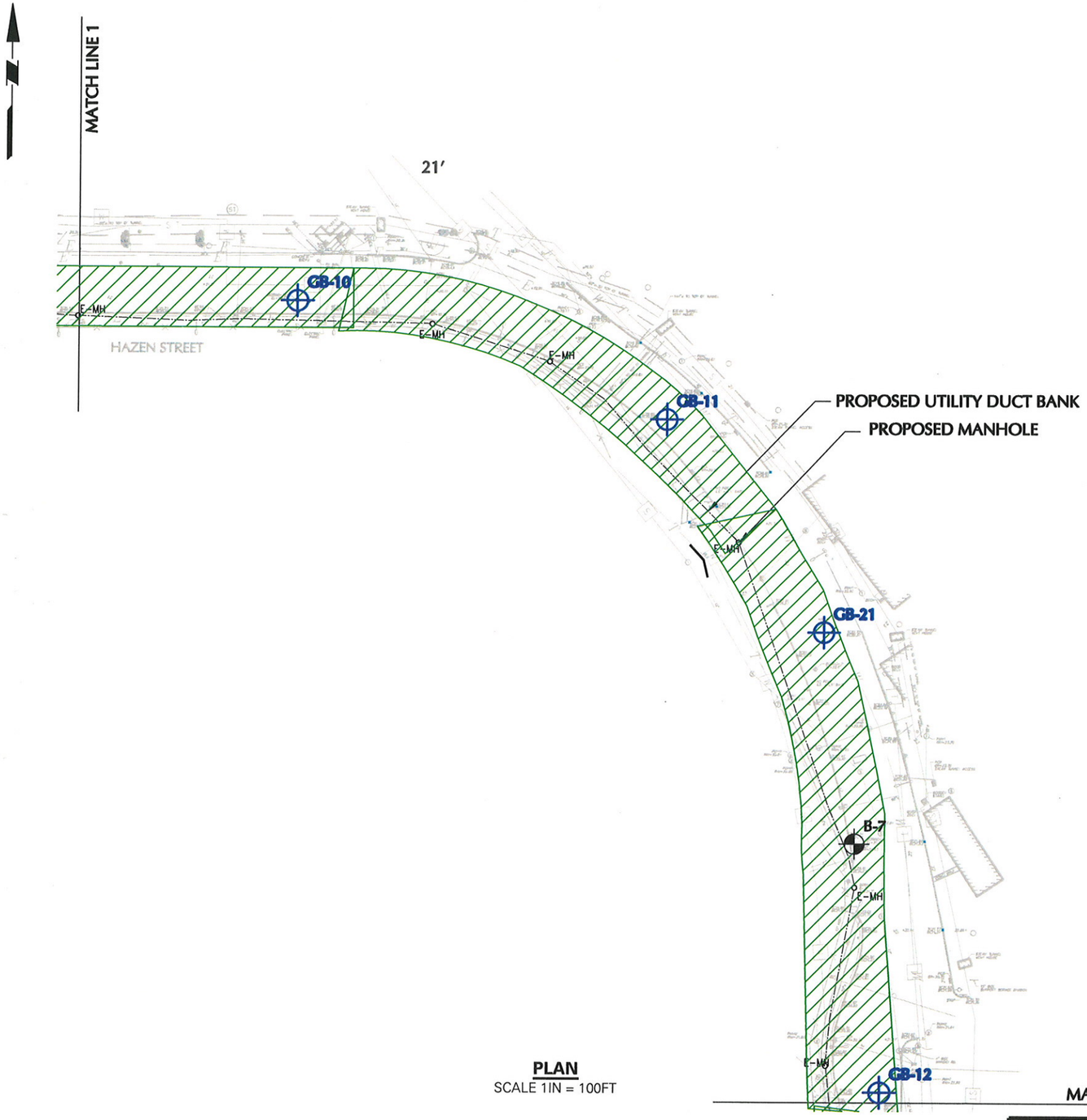
FILL MATERIAL TYPES POWER BLOCK BUILDING

BROOKLYN NEW YORK

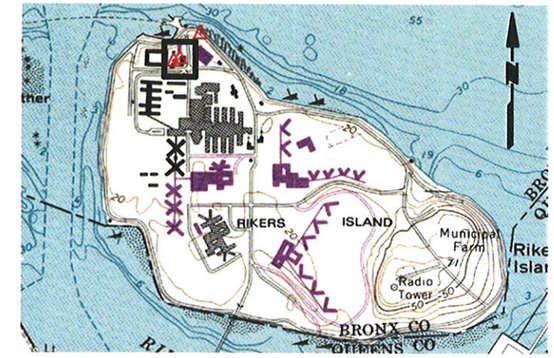
Project No.	Date	Scale	Dwg. No.
5817801	08/24/09	AS NOTED	6

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Fill Material Types.dwg Date: 8/24/2009 Time: 18:55 User: JGood Style Table: Langan.stb Layout: GT PLANT



PLAN
SCALE 1IN = 100FT



KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL
	APPROXIMATE AREA OF HISTORIC FILL: NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE (MAXIMUM DEPTH OF INVESTIGATION)

100 0 50 100
SCALE IN FEET

NOTES:

1. SEE DRAWING NO. 6 FOR GENERAL NOTES.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

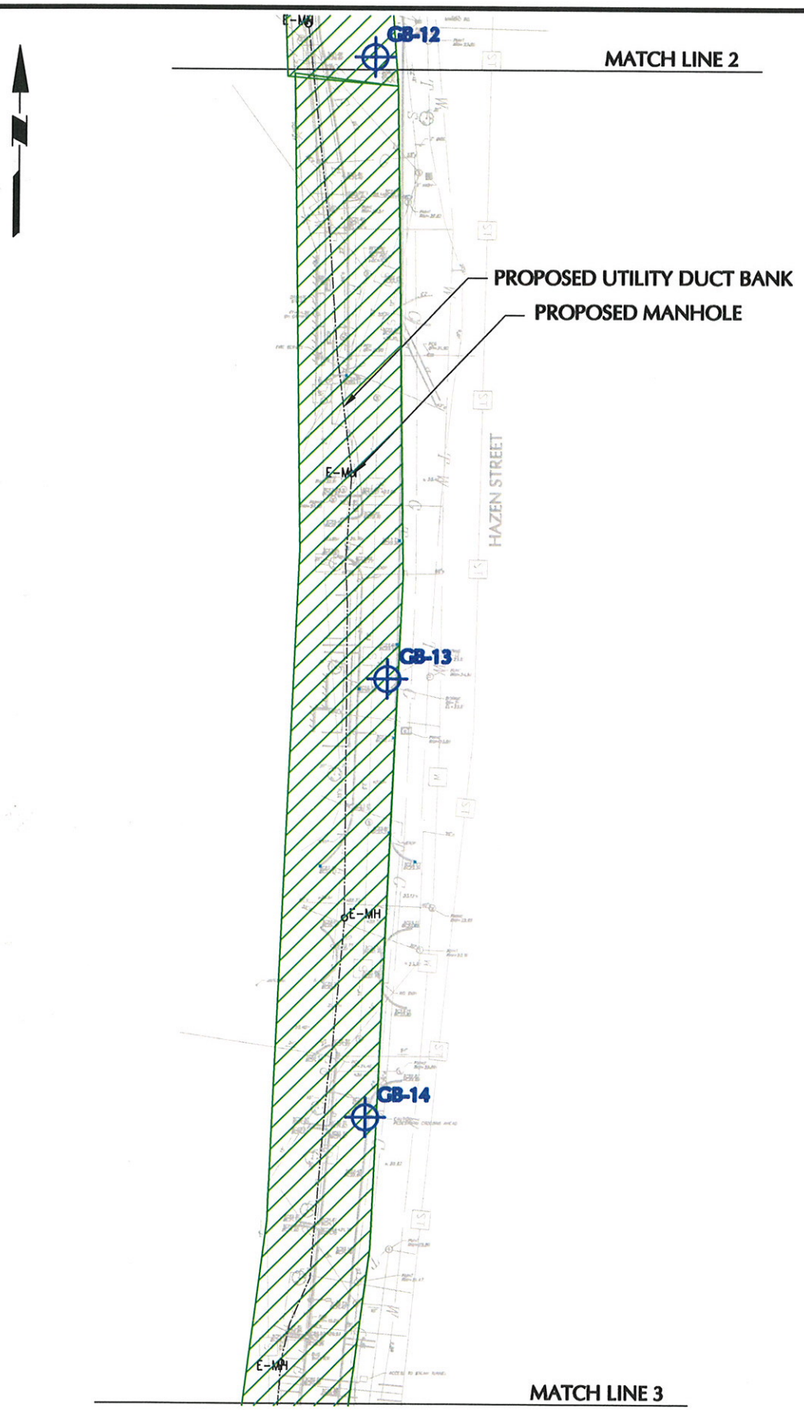
FILL MATERIAL TYPES
UTILITY DUCTBANK - PART 1 OF 2

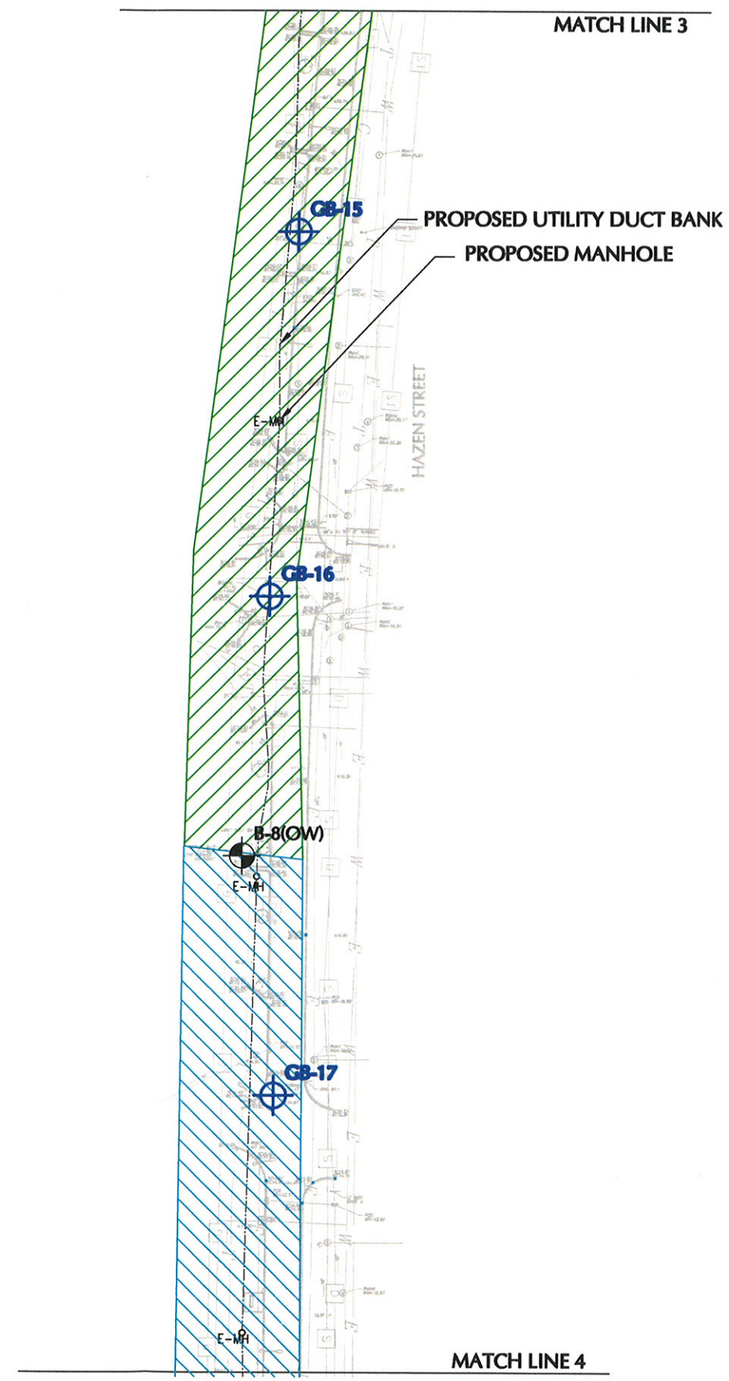
BROOKLYN NEW YORK

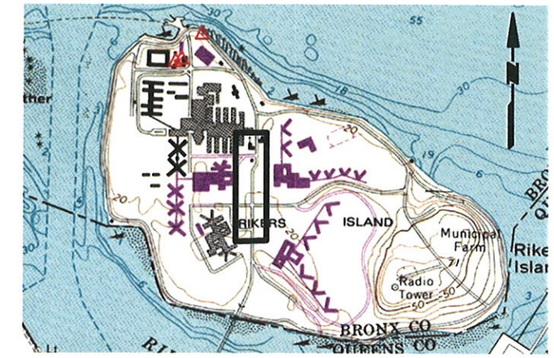
Project No.	Date	Scale	Dwg. No.
5817801	08/24/09	AS NOTED	7

© 2006 Langan Engineering and Environmental Services Inc.

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Fill Material Types.dwg Date: 8/24/2009 Time: 18:53 User: JGood Style Table: Langan.stb Layout: DUCTBANK Pt 1







KEY PLAN
NOT TO SCALE

LEGEND

GB-3	ENVIRONMENTAL GEOPROBE BORING
B-1	GEOTECHNICAL BORING
(OW)	OBSERVATION WELL
	APPROXIMATE AREA OF HISTORIC FILL: NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE (MAXIMUM DEPTH OF INVESTIGATION)
	APPROXIMATE AREA OF HISTORIC FILL: PETROLEUM CONTAMINATED NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED IN GEOPROBE BORING GB-17. ADDITIONAL DELINEATION IS NECESSARY TO DETERMINE VERTICAL AND HORIZONTAL EXTENT OF PETROLEUM CONTAMINATION IN THIS AREA. REMAINDER OF MATERIAL IS NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE.

100 0 50 100
SCALE IN FEET

NOTES:

1. SEE DRAWING NO. 6 FOR GENERAL NOTES.

PLAN
SCALE 1IN = 100FT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

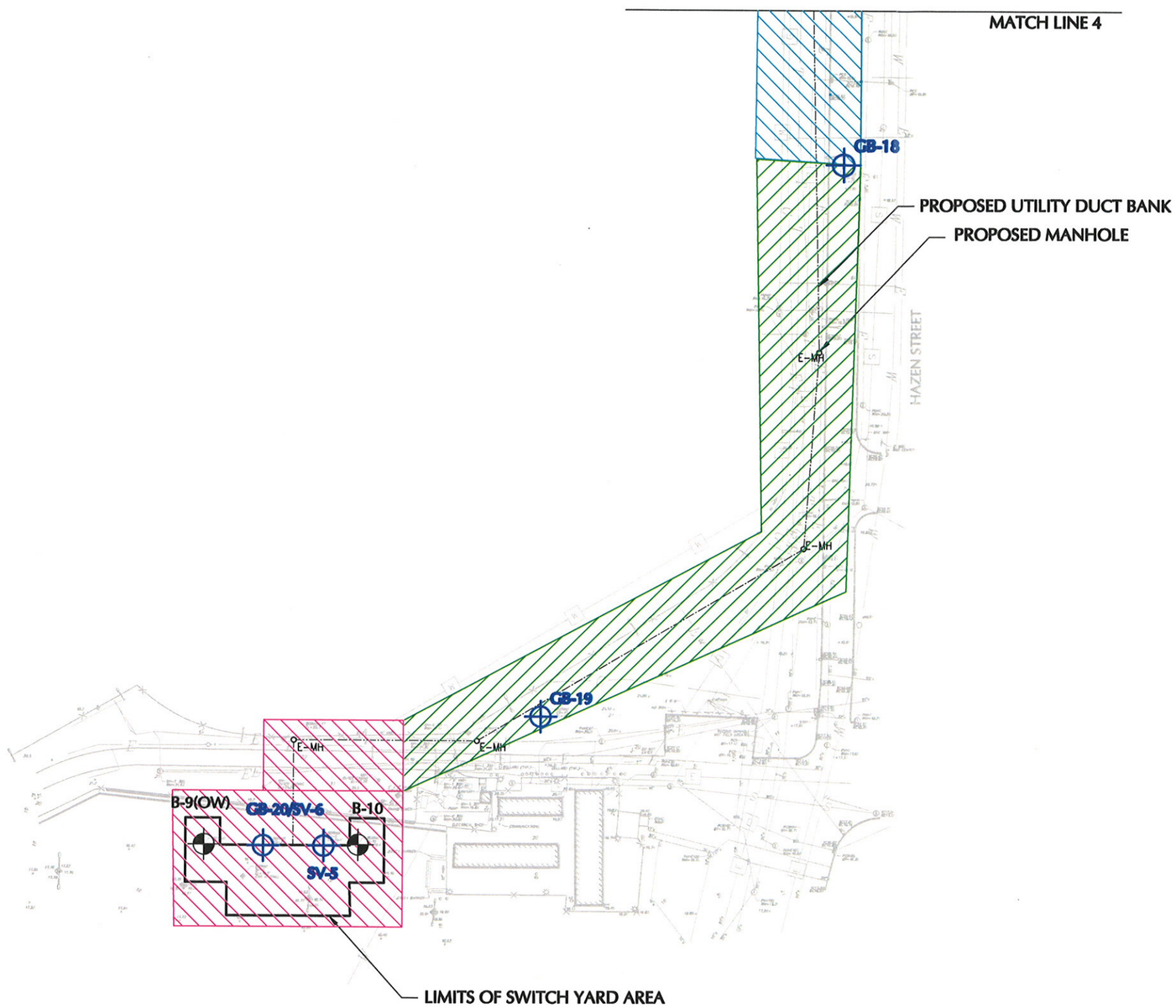
FILL MATERIAL TYPES
UTILITY DUCT BANK - PART 2 OF 2

BROOKLYN NEW YORK

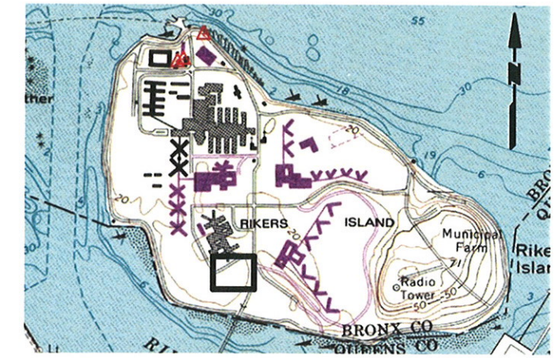
Project No.	Date	Scale	Dwg. No.
5817801	08/24/09	AS NOTED	8

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Fill Material Types.dwg Date: 8/24/2009 Time: 18:54 User: JGood Style Table: Langan.stb Layout: DUCTBANK Pt 2

© 2006 Langan Engineering and Environmental Services Inc.



PLAN
SCALE 1IN = 100FT



KEY PLAN
NOT TO SCALE

LEGEND

- GB-3 — ENVIRONMENTAL GEOPROBE BORING
- GB-20/SV-6 — ENVIRONMENTAL GEOPROBE BORING AND SOIL VAPOR WELL
- B-1 — GEOTECHNICAL BORING
- (OW) — OBSERVATION WELL
- APPROXIMATE AREA OF HISTORIC FILL: NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE (MAXIMUM DEPTH OF INVESTIGATION)
- APPROXIMATE AREA OF HISTORIC FILL: PETROLEUM CONTAMINATED NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED IN GB-17 (SEE DWG FM-3). ADDITIONAL DELINEATION IS NECESSARY TO DETERMINE VERTICAL AND HORIZONTAL EXTENT OF PETROLEUM CONTAMINATION IN THIS AREA. REMAINDER OF MATERIAL IS NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE.
- APPROXIMATE AREA OF HISTORIC FILL: HAZARDOUS REGULATED MATERIAL IDENTIFIED IN A COMPOSITE SAMPLE FROM GB-20 AND SV-5. ADDITIONAL DELINEATION IS NECESSARY TO DETERMINE VERTICAL AND HORIZONTAL EXTENT OF HAZARDOUS CONTAMINATION IN THIS AREA. REMAINDER OF MATERIAL IS NON-HAZARDOUS REGULATED MATERIAL IDENTIFIED FROM SURFACE GRADE TO 10 FT BELOW SURFACE GRADE.

100 0 50 100
SCALE IN FEET

NOTES:

1. SEE DRAWING NO. 6 FOR GENERAL NOTES.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza, 8th Floor New York, NY 10001
P: 212.479.5400 F: 212.479.5444
www.langan.com
NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

Project RIKERS ISLAND CO-GEN PLANT

FILL MATERIAL TYPES
SWITCH YARD AREA

BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5817801	08/24/2009	AS NOTED	9

Filename: U:\data8\5817801\Cadd Data - 5817801\Dwg\Fill Material Types.dwg Date: 8/24/2009 Time: 18:52 User: JGood Style Table: Langan.stb Layout: ELECTRIC ROOM

© 2006 Langan Engineering and Environmental Services Inc.

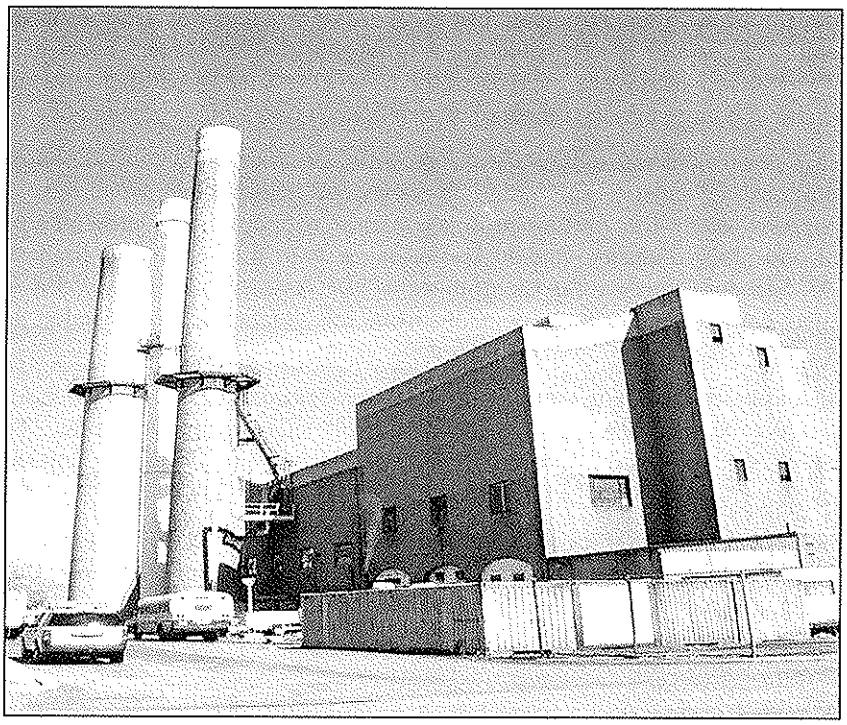
APPENDIX A
PREVIOUS ENVIRONMENTAL INVESTIGATION REPORT

Rikers Island Cogeneration Plant Site

BRONX, NEW YORK

Phase I Environmental Site Assessment

AKRF Project Number: 11018



Prepared for:

DMJM Harris
20 Exchange Place
New York, NY 10005

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016
(212) 696-0670

AUGUST 2008

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by DMJM Harris to perform an Environmental Site Assessment of the Rikers Island Cogeneration Plant Site in the Bronx, New York. At the time of AKRF's site visit, an approximately three-acre portion of the project site was developed with the Rikers Island Central Power Plant. This portion of the project site is located on the northwestern corner of Rikers Island, a 415-acre island located between the South Bronx and Astoria, Queens. An approximately one-acre portion of the project site was developed with the associated electrical substation and was located on the southeastern corner of the island. The Island is accessible via a bridge located on Hazen Street in East Elmhurst, Queens, New York. Rikers Island is the location of the New York City Department of Correction (DOC) operations and the site of a large prison complex that can house up to 17,000 prisoners.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage or usage of neighboring properties. This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. Any exceptions to, or deletions from, this practice are described in Sections 9.0 and 11.0 of this report.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. This assessment revealed evidence of the following Recognized Environmental Conditions in connection with the property:

- Spill No. 0109604 was issued for the Rikers Island Central Power Plan on September 10, 2001 due to contaminated soil observed on-site during removal of four No. 6 fuel oil underground storage tanks of approximately 45,000-gallon, 42,000-gallon, 39,000-gallon and 35,000-gallon capacities. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The spill was closed on March 10, 2003.

- AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall, steel, No. 6 fuel oil underground storage tanks at the Central Power Plant. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 1999. Tyree reported visible soil contamination and fuel oil floating in exposed groundwater in the excavation. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semi-volatile organic compounds (SVOCs), that exceeded New York State Department of Environmental Conservation (NYSDEC) STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandum (TAGM), HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The spill number given in the Tyree report was not listed in the NYSDEC Spills database reviewed for this Phase I ESA.

- Two additional closed spill numbers were cited for Rikers Island Power Plant. A February 15, 1989 300-gallon diesel spill (Spill No. 0202449) that originated from a punctured portable tank was closed on December 4, 1992. A June 6, 2002 20-gallon No. 2 fuel oil spill (Spill No. 0109604) that occurred in a basement was closed the same day.

- No. 2 fuel oil was stored in six on-site 40,000-gallon underground storage tanks located outside of the building, along the northern wall of the power plant, within a fenced area. Two 20,000-gallon diesel underground storage tanks were located outside along the eastern wall of the plant and were connected to two 100-gallon diesel day tanks located on the first floor.
- A 1,000-gallon waste oil aboveground storage tank aboveground storage tank, six portable, 1,000-gallon waste oil aboveground storage tanks and two 55-gallon waste oil drum storage areas were noted outside the building along the western wall of the plant. Heavy staining and evidence of spill cleanup was observed around the tanks and drums. According to site personnel, storm drains in the area of the power plant were connected to the municipal sewer system.
- A drum storage area, containing 55-gallons drums labeled anti-freeze and coolant, was located on the first floor at the southern end of the plant. Moderate staining was observed near the drums.
- Rikers Island Power Plant (subject property) was listed as a New York State Major Oil Storage Facility (MOSF) and a Petroleum Bulk Storage (PBS) facility on the regulatory database. Current on-site fuel oil storage was reported to consist of approximately 240,000 gallons of No. 2 fuel oil, 44,000 gallons of diesel and an unknown quantity of waste oil.
- Rikers Island was listed as Hazardous Substance Waste Disposal Site (SHSWDS) in the regulatory database related to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000 gallons of sludge, 500 pounds of pesticides and 500 gallons of other organic chemicals. Sanitary landfilling also took place.
- Rikers Island was listed as a CERCLIS NFRAP (No Further Remedial Action Planned) site. No specific address for the listing was provided and no further information about the listing was given.
- According to site personnel, the buildings on the power plant portion of the subject property were constructed around 1930, at which time many Asbestos-Containing Materials (ACMs) were utilized.
- Based on the age of the subject building, lead-based paint may be present. Painted surfaces of the subject buildings were observed to be in varying conditions ranging from good to poor.
- The on-site power plant buildings were illuminated by fluorescent lighting. Based on the age of the power plant buildings, suspect polychlorinated biphenyls (PCB)- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- Electrical equipment at the substation portion of the site may be PCB-and/or mercury-containing. No leaks or stains were noted around such equipment, which do not currently present a potential hazard to human health.
- A regulatory database search indicated that thirteen RCRA Generators/Transporters were reported within a ⅛-mile radius of the subject site. All of the sites were located on Rikers Island but could not be mapped due to lack of address information. Seven of the thirteen sites were New York City Department of Correction (DOC) facilities and were listed as Large Quantity Generators with waste descriptions including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability and solid waste that exhibits the characteristic of corrosivity. The remaining sites were Consolidated Edison vaults listed for PCB-containing petroleum oil. Based on the information provided in the database, reported and potential releases may have affected environmental conditions at the subject site.

Based on the results of this assessment, the following recommendations are noted:

- A subsurface (Phase II) investigation should be conducted to determine whether the historical uses of the project site and the surrounding properties have affected on-site environmental conditions. In particular, the scope of the investigation should test for potential soil and groundwater contamination from all on-site fuel oil and waste oil storage, electrical transformers, and materials used as fill to expand the extent of the island.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction). Areas containing suspected lead-based paint should be maintained in good condition.
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures and/or electrical equipment are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

TABLE OF CONTENTS

EXECUTIVE SUMMARY i
1.0 INTRODUCTION 1
2.0 PHYSICAL SITE DESCRIPTION 2
2.1 General Site Conditions 2
2.2 Topography and Hydrogeology 3
2.3 Storage Tanks 4
2.3.1 Underground Storage Tanks (USTs) 4
2.3.2 Aboveground Storage Tanks (ASTs) 5
2.4 Polychlorinated Biphenyls (PCBs) 5
2.5 Lead-Based Paint 6
2.6 Utilities 6
2.7 Waste Management and Chemical Handling 6
2.8 Radon 7
3.0 ASBESTOS-CONTAINING MATERIALS (ACM) 7
4.0 ADJACENT LAND USE 8
5.0 USER PROVIDED INFORMATION 8
5.1 Title Records 8
5.2 Environmental Liens or Activity and use limitations 8
5.3 Specialized knowledge 8
5.4 Commonly known or recently ascertainable information 8
5.5 Valuation Reduction for Environmental Issues 8
5.6 Owner, property manager, and occupant information 8
5.7 Reason for performing Phase I 8
6.0 SITE HISTORY AND RECORDS REVIEW 8
6.1 Prior Ownership and Usage 8
6.1.1 Historical Land Use Maps 8
6.1.2 Historical Aerial Photographs 8
6.1.3 Property Tax Files and Zoning Records 9
6.2 Regulatory Review 10
6.2.1 Federal 10
6.2.2 State 11
6.2.3 Local 16
6.2.4 Additional Environmental Record Sources 16
7.0 INTERVIEWS 16
7.1 Interview with owners, site managers and occupants 16
7.2 Interview with local government officials 16
8.0 PREVIOUS STUDIES 17
9.0 LIMITATIONS 18
10.0 DEVIATIONS 18
11.0 DATA GAPS 18
12.0 CONCLUSIONS AND RECOMMENDATIONS 19
13.0 SIGNATURE PAGE 22
14.0 QUALIFICATIONS 23
15.0 REFERENCES 24

TABLES

Table 1 - Petroleum Bulk Storage Facility Data – Underground Storage Tanks
Table 2 - Central Power Plant On-Site Bulk Storage Facility Registration Data
Table 3 - Area Petroleum Bulk Storage (PBS) Facility Data
Table 4 - Data Gaps Identified

FIGURES

Figure 1 - Project Site Location
Figure 2 - Site Plan Detail – Central Power Plant
Figure 3 - Site Plan Detail – Electrical Substation

APPENDICES

Appendix A - Photographic Documentation
Appendix B - Historical Aerial Photographs
Appendix C - Regulatory Records Review

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by DMJM Harris to perform a Phase I Environmental Site Assessment (ESA) of the proposed Rikers Island Cogeneration Plant Site in the Bronx, New York, as shown on Figure 1. At the time of AKRF's site visit, an approximately three-acre portion of the project site was developed with the Rikers Island Central Power Plant. This portion of the project site is located on the northwestern corner of Rikers Island, a 415-acre island located between the South Bronx and Astoria, Queens. An approximately one-acre portion of the project site was developed with the associated electrical substation and was located on the southeastern corner of the island. The island is accessible via a bridge located on Hazen Street in East Elmhurst, Queens, New York. Rikers Island is the location of the New York City Department of Correction (DOC) operations and the site of a large prison complex that can house up to 17,000 prisoners.

The scope of services for this assessment included the following:

- Visual observations of the project site and surrounding property were made to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks, aboveground storage tanks, objects that could contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors. In addition, readily-observable portions of the properties immediately adjacent to the study site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.
- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- A review of radon concentrations in Bronx County was conducted to determine whether radon levels in the general area comply with United States Environmental Protection Agency (USEPA) guidelines.
- Historical land use atlases for the site and adjacent properties were reviewed to evaluate previous land use.
- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and the Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.
- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Environmental Restoration Program facilities; Voluntary Cleanup Program facilities; and Brownfield Cleanup Program (BCP) facilities.
- A review of available New York City Fire Department records and New York City Buildings Department records was conducted to obtain any information pertinent to the assessment of the

environmental condition of the subject property. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on April 1, 2008 by Brian Dortch of AKRF. Mr. Randy Solomon, Conservation Engineer for the New York Power Authority (NYPA), and site personnel from the New York City Department of Correction (DOC), accompanied AKRF personnel through the site and answered pertinent questions. At the time of the inspection, the weather was cloudy and approximately 48 °F and the visibility good. Some areas were illuminated by natural and/or artificial light; non-illuminated areas were accessed by flashlight. The site was inspected for the presence of stained surfaces and soil, stressed vegetation, storage tanks, drums, leaking pipes, transformers, and any other evidence of hazardous material usage and storage on-site. Site plans are provided as Figures 2 and 3. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

Rikers Island Central Power Plant

The Rikers Island Central Power Plant portion of the subject property was located on the northwestern portion of Rikers Island, a 415-acre island located between the South Bronx and Astoria, Queens. The power plant consisted of a three-acre site containing a two-story brick building with a footprint measuring approximately 20,700 square-feet. According to site personnel, the facility was constructed in the 1930s with various additions constructed between the 1930s and the 1970s.

A partial basement on the north side of the plant contained fuel oil pumps and feed lines. A partial basement on the south side contained steam and water distribution lines. Floor drains were observed in the basements that, according to site personnel, were connected to the municipal sewer system. No significant staining was noted near the floor drains. The basements and first floor rooms were constructed with concrete floors and walls. The plant utilized high-pressure boilers to supply steam to facilities on the island for heat, hot water, laundry and cooking. Boiler fanning units, condensate pumps and condensate tanks were located on the first floor. Floor drains were observed throughout the first floor. No significant staining was noted near the floor drains. De-aerating feed-water tanks and dual-fired boilers were located on the second floor. A second floor mezzanine comprised offices and locker rooms, which contained suspect asbestos containing floor tile and acoustical ceiling tile. Piping with suspect asbestos insulation was observed throughout the facility. A steel stairwell provided access to all floors of the building.

The plant's dual-fired boilers primarily used gas supplied by KeySpan with No. 2 fuel oil as a secondary source. The No. 2 fuel oil was stored in six 40,000-gallon underground storage tanks located on the exterior northern side of the power plant. The tanks were located within a fenced area and were labeled with their size and contents. The fill ports were observed directly above the tanks and vent lines were observed outside the fenced area.

A drum storage area, containing five 55-gallons drums of anti-freeze and coolant, was located on the first floor at the southern end of the facility. Staining was observed on the floor around the 55-gallon antifreeze drums. A battery storage area was observed on the first floor near a maintenance shop; no staining was observed. Two 20,000-gallon diesel underground storage tanks were located outside on the northwest side of the power plant, which were connected to two

100-gallon day tanks and emergency generators on the first floor of the building. The fill ports and vent lines were located along the exterior wall of the building.

An active 4,000-gallon diesel above ground storage tank and two, closed-in-.place, 20,000-gallon diesel underground storage tanks, were observed outside along the eastern wall of the power plant. Two drum storage areas were observed outside along the western side of the power plant, containing approximately forty 55-gallon waste oil drums and six 1,000-gallon waste oil above ground storage tanks. Heavy staining and evidence of spill cleanup was observed in these areas. According to site personnel, storm drains observed near the drum storage areas connected to the municipal sewer system. Four groundwater monitoring wells were observed north or the power plant building near the underground storage tank locations. Asphalt-paved parking areas and landscaped areas surrounded both buildings on the subject site. No stressed vegetation was observed in the landscaped areas.

Electrical Substation

The electrical substation portion of the subject property was located on the southeastern portion of Rikers Island, west of Hazen Street, and comprised: four transformers and three electrical equipment units on the eastern portion of the site; and an unpaved, vegetated area on the western portion. The substation was enclosed with a chain-link fence and contained four Consolidated Edison (Con Ed) transformers enclosed in concrete blast walls. An unlabeled, empty 55-gallon drum was noted on the unpaved portion along the substation fencing; no staining or evidence of a release was noted. A storm drain was located in the central portion of the unpaved area; no staining or other indication of a release was noted around the storm drain. It was not known by on-site personnel whether this storm drain was connected to the municipal sewer system; the storm drain could be a drywell. No stressed vegetation was observed in the unpaved, vegetated area.

2.2 Topography and Hydrogeology

The surface topography slopes down to the north. Based on reports compiled by the U.S. Geological Survey (Central Park, NY Quadrangle), the property lies at an elevation of approximately 20 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

Based on groundwater monitoring and sampling reports prepared for the Central Power Plant portion of the subject property by GZA GeoEnvironmental of New York between July 2002 and July 2004, bedrock at the site is approximately 70 feet below grade and groundwater is approximately 10 to 15 feet below grade. Based on the topography, groundwater at the power plant most likely flows in a northwesterly direction toward the East River, located approximately 100 feet from subject site; groundwater at the substation property most likely flows in a southerly direction towards the Rikers Island Channel, located approximately 100 feet to the south. However, based on the topography and geomorphology of Rikers Island, actual groundwater depth and flow direction are likely highly variable and can be affected by many factors including past filling activities, tidal cycles, and underground utilities and other subsurface openings or obstructions such as basements, subway tunnels, underground parking garages, and other factors beyond the scope of this study.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

Details of on-site underground storage tanks at the Central Power Plant are provided in Table 1.

Table 1
Petroleum Bulk Storage Facility Data - Underground Storage Tanks
Central Power Plant

Tank Capacity (Gallons)	Product Stored	Purpose	Status
Six 55,000-gallons USTs	No. 6 fuel oil	Boilers	Closed-removed
45,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
42,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
39,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
35,000-gallon UST	No. 6 fuel oil	Boilers	Closed-removed
Two 20,000-gallon USTs	Diesel	Emergency generators	Closed-in-place
Two 10,000-gallon USTs	Diesel	Emergency generators	Closed-in-place
Six 40,000-gallon USTs	No. 2 fuel oil	Boilers	Active
Two 20,000-gallon USTs	Diesel	Emergency generators	Active

Note: UST = Underground Storage Tanks

According to site personnel, fuel oil tank upgrades for the Rikers Island Central Power Plant that included tank replacements were performed at the subject property from 1999 to 2002 to accommodate the switch from No. 6 fuel oil to No. 2 fuel oil. On-site fuel oil storage prior to the upgrades consisted of No. 6 fuel oil stored in six single-walled, steel 55,000-gallon underground storage tanks and in four single-wall, steel, underground storage tanks that measured approximately 45,000-gallons, 42,000-gallons, 39,000-gallons and 35,000-gallons in capacity. Additionally, two 20,000-gallon and two 10,000-gallon diesel underground storage tanks were utilized prior to the upgrades. The diesel underground storage tanks were closed-in-place during the tank upgrades and the former tank pad and decommissioned fill ports of the 20,000-gallon diesel underground storage tanks were observed outside, on the eastern side of the plant, during the site visit. No visible evidence of the closed-in-place 10,000-gallon diesel tanks was observed during the site visit. Two tank closure reports and one tank upgrade report for these tanks were provided to AKRF and are summarized in Section 8.0.

The Rikers Island Power Plant currently utilizes high-pressure dual-fired boilers to supply steam to facilities on the island for heat, hot water, laundry and cooking. The boilers are primarily fueled by natural gas, but use No. 2 fuel oil as a secondary source supplied by six 40,000-gallon underground storage tanks located outside along the northern wall of the power plant. These tanks replaced all of the previously mentioned No. 6 fuel oil tanks.

Two active 20,000-gallon diesel underground storage tanks, located outside along the eastern wall of the power plant supplied emergency generators via two 100-gallon diesel day tanks located on the first floor of the power plant. These 20,000-gallon underground

storage tanks replaced the four diesel underground storage tanks and four No. 6 fuel oil underground storage tanks of various sizes.

A review of the State regulatory records cited the Rikers Island Power Plant (subject property) as a New York State Major Oil Storage Facility (MOSF) and as a Petroleum Bulk Storage (PBS) facility. All of the in-service and closed-removed underground storage tanks previously mentioned were listed in the MOSF database. The in-service and closed-in-place underground storage tanks were also listed in the PBS database.

New York City Fire Department records did not list any past or present motor vehicle fuel or heating oil tanks for the subject property. A review of Manhattan Buildings Department Block and Lot files did not locate any documents relating to underground storage tanks on the subject property.

No other evidence of underground storage tanks (i.e., fill port, manways, etc.) was observed at the Rikers Island Central Power Plant. No evidence of underground storage tanks was observed at the electrical substation portion of the subject property. Off-site aboveground storage tanks are discussed in Section 6.0. Spills associated with the on-site tanks are summarized in Section 6.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

Two 100-gallon diesel day tanks were located on the first floor of the facility that fueled the emergency generators. The tanks had secondary containment, tank gauges and appeared to be in good condition. No staining was noted near the tanks.

A 4,000-gallon diesel aboveground storage tank was located outside the plant along the eastern wall and appeared to be in good condition. The tank had secondary containment and tank gauges. No staining was noted near the tank.

A 1,000-gallon waste oil aboveground storage tank was observed outside along the western wall of the plant. The tank had secondary containment and tank gauges. Heavy staining and evidence of spill cleanup was observed around the tank. According to site personnel, storm drains observed near the tank connected to the municipal sewer system.

Six portable, 1,000-gallon waste oil aboveground storage tanks were observed outside along the western wall of the plant. Staining was observed beneath the tanks, which appeared to be in poor condition.

No aboveground storage tanks were listed in the New York State Major Oil Storage Facility (MOSF) or Petroleum Bulk Storage (PBS) databases for this site. New York City Fire Department records did not list any past or present motor vehicle fuel or heating oil tanks for the subject property and a review of Manhattan Buildings Department Block and Lot files did not locate any documents relating to aboveground storage tanks on the subject property.

No evidence of aboveground storage tanks was observed at the electrical substation portion of the subject property. Off-site aboveground storage tanks are discussed in Section 6.0. Spills associated with these tanks are summarized in Section 6.2.2.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches and voltage regulators. The substation contained four Consolidated Edison transformers enclosed with concrete blast walls.

No leaks or stains were noted around the transformers. Depending upon the age of the electrical equipment at the substation portion of the site, PCB-containing equipment may be present.

Based on the age of the power plant building, fluorescent lights and equipment in electrical panels in the subject buildings may include PCB-containing parts. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.

Unless there is labeling or test data which indicates that the above equipment does not contain PCBs, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

2.5 Lead-Based Paint

The use of lead-based paint in New York City residential buildings was banned in 1960. Nationally, its residential use was banned by the Consumer Products Safety Commission in 1977. The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e. chipped, broken, crumbling, pulverized); lead is potentially harmful to humans, particularly children, if ingested, inhaled or otherwise absorbed.

According to site personnel, the buildings on the subject property were constructed around 1930, therefore lead-based paint may be present. Painted surfaces of the subject buildings were in varying conditions ranging from good to poor. Based on the aerial photographs, the electrical substation was constructed between 1984 and 1996; therefore, no lead-based paint is suspected. Any demolition or renovation activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—Lead Exposure in Construction).

2.6 Utilities

The New York Power Authority provides electricity to the study site and surrounding area via Consolidated Edison (Con Ed) electrical lines connected to the electrical substation on the subject property. The study site was connected to New York City municipal water and sewer systems. Gas was supplied to subject site by KeySpan via Con Ed pipes.

Floor drains were observed on the first floor of the power plant that, according to site personnel, are connected to the sewer system. No significant staining was noted near the floor drain structures. Two outside drum storage areas were observed along the western side of the power plant. Extensive staining was observed in these areas. According to site personnel, storm drains observed near the drum storage areas connected to the municipal sewer system.

A storm drain was located in the central portion of the unpaved area; no staining or other indication of a release was noted around the storm drain. It was not known by on-site personnel whether this storm drain was connected to the municipal sewer system; the storm drain could be a drywell.

2.7 Waste Management and Chemical Handling

General refuse were observed being generated at the Central Power Plant portion of the subject property. These wastes were placed into garbage receptacles throughout the subject building and were collected by the New York City Department of Sanitation.

Waste oil is generated at the power plant and was stored in 55-gallon drums and aboveground storage tanks of varying sizes outside of the building along the western wall of the facility. According to site personnel, the waste oil is collected and disposed of by private contractors. An

interior drum storage area, containing several 55-gallons drums of anti-freeze and coolant, was located on the first floor at the south end of the facility. Moderate staining was observed near the 55-gallon anti-freeze drums.

No waste generation or chemical handling was observed at the substation portion of the subject property.

2.8 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products that include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health (NYSDOH), the Bronx has an average basement radon measurement of 1.7 picocuries/liter. The USEPA recommended action level is 4.0 picocuries/liter.

3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite and anthophyllite. Asbestos is commonly found as a component of building materials including: Thermal System Insulation (TSI), spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be Asbestos-Containing Materials (ACMs). ACMs are classified as friable or non-friable. Friable ACMs are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACMs, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing potentially hazardous fibers than non-friable ACMs, such as vinyl floor tiles and built-up roofing materials.

According to site personnel, the buildings on the subject property were constructed around 1930, at which time many ACMs were utilized. Suspect ACMs observed during the site visit included floor tiles and associated mastic, suspended acoustical ceiling tiles and pipe insulation. Additional suspect ACMs may be present above ceilings and behind walls, floor tiles, or in other hidden locations. Historic Aerial photographs, discussed in Section 6.1.2, the substation was constructed between 1984 and 1996. Based on the age of the electrical substation, no ACMs are suspected.

Sampling and analysis of all suspect ACMs should be performed prior to any disturbance. The ACMs should be removed by a licensed asbestos abatement contractor prior to building demolition or renovation.

4.0 ADJACENT LAND USE

The Central Power Plant portion of the subject property was bound to the north by the East River and to the south, west and east by various DOC facilities. The electrical substation portion of the property was bound to the north by roadways and DOC facilities, and to the south, east and west by parking lots.

5.0 USER PROVIDED INFORMATION

5.1 Title Records

No information supplied by user.

5.2 Environmental Liens or Activity and use limitations

No information supplied by user.

5.3 Specialized knowledge

No information supplied by user.

5.4 Commonly known or recently ascertainable information

No information supplied by user.

5.5 Valuation Reduction for Environmental Issues

No information was obtained regarding any valuation reduction due to environmental issues.

5.6 Owner, property manager, and occupant information

The City of New York is the property owner and the New York City Department of Correction (DOC) is the property manager of the subject site.

5.7 Reason for performing Phase I

The property is being evaluated for redevelopment. The New York Power Authority (NYPA) proposes the construction of a new cogeneration plant in the northwestern corner of Rikers Island. The proposed project would be located at the existing control power plant property on Rikers Island.

6.0 SITE HISTORY AND RECORDS REVIEW

6.1 Prior Ownership and Usage

6.1.1 Historical Land Use Maps

Historical insurance maps are typically reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. However, no Sanborn map coverage was available for the subject property. Historical aerial photographs were reviewed for the project site, which are discussed in the following section.

6.1.2 Historical Aerial Photographs

Aerial photographs were reviewed for information pertinent to the environmental condition of the property. Specifically, aerial photographs from 1955, 1966, 1978, 1984

and 1996 were reviewed. Copies of the photographs are included in Appendix B. Details from these photographs are as follows:

1955

The current Rikers Island Power House appeared to have been developed. The west-adjacent storage building was present and inmate housing structures were located to the southeast. Landscaped parkland was located east-adjacent to the power plant. The electrical substation did not appear to be developed. The remainder of the island was undeveloped.

1966

No significant changes were noted at the power plant. Additional inmate housing structures and athletic fields were noted south of the power plant. An access bridge connected the southern side of the island to Queens, NY. The electrical substation did not appear to be developed; the site was vacant. A parking lot is shown to the south and west of the electrical substation portion of the subject property. The remainder of the island was undeveloped.

1978

No other significant changes were noted for the power plant, the electrical substation portion of the subject site, or surrounding area.

1984

One south-adjacent building to the power plant appeared to have been demolished. No other significant changes were noted for the power plant, the electrical substation portion of the subject site or surrounding area.

1996

The building south-adjacent to the power plant that appeared to be demolished on the 1984 photograph was replaced with another structure. Additional inmate housing structures were noted south of the power plant. The electrical substation appeared to be developed on the 1996 photograph. No other significant changes were noted for the subject site or surrounding area.

In summary, the subject property was developed prior to 1955. The electrical substation appeared to be developed between 1984 and 1996. Surrounding properties changed from primarily undeveloped land to additional inmate housing structures.

6.1.3 Property Tax Files and Zoning Records

The tax parcel comprising the subject site is zoned M3-2, a heavy industrial district that permits industrial activities that generate high levels of noise, traffic, and pollutants. No certificates of occupancy were available for the subject property.

6.1.4 Building Department Record

Records maintained by the New York City Fire and Buildings Departments were investigated to determine the potential presence of hazardous materials and are discussed under Section 6.2.3.

No information for the subject site was provided by the New York City Buildings Department on-line Buildings Information System.

6.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the USEPA and New York State Department of Environmental Conservation (NYSDEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous material and chemicals, or releases of such materials which may impact the project site. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

6.2.1 Federal

The federal records reviewed included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the project sites.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

Rikers Island was listed in the CERCLIS NFRAP (No Further Remedial Action Planned) database as an unmappable site. No specific address for the listing and no further information about the listing were given. No other CERCLIS listings were identified within a ½-mile radius of the project site.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The power plant and electrical substation portions of the subject property were not listed as ERNS sites.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the USEPA and/or NYSDEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

No TRIS sites were identified within a ⅛-mile radius of the subject property.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This federal- and state-maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

Two WWD facilities were reported within a ⅛-mile radius of the power plant portion of the subject property and were both identified as "Rikers Island." No specific addresses and no additional information were provided in the listings. Depending upon its location, there is a potential for releases from these unmappable sites to have affected environmental conditions of the subject property. Details of all WWD facilities are included in Appendix C.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the USEPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within a ⅛-mile radius of the subject property.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the US EPA AIRS Database includes address information on each facility and the source of its associated air emissions.

The Rikers Island Power Plant (subject property) was listed as an Air Discharge Facility in violation of emissions thresholds of nitrogen dioxide and procedural compliance.

Two other Air Discharge Facilities were identified within a ⅛-mile radius of the power plant portion of the study site, but were not mapped due to lack of address information. One of the sites was indentified as FAA-VOR/La Guardia. The other site, indentified as NYCDOC, was listed to carbon monoxide emissions. No additional information was provided in the listings.

Details of all air discharge facilities are included in Appendix C.

6.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF);

Environmental Restoration Program; Voluntary Cleanup Program; and Brownfield Cleanup Program (BCP).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes those that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

Three closed spills were listed for the Rikers Island Power Plant (subject property):

- Spill No. 8808953 was opened on February 15, 1989, due to a 300-gallon diesel spill that originated from a punctured portable tank. According to the report, clean up ceased on December 4, 1992 and the spill was closed. No other information was provided in the database listing.
- Spill No. 0202449 was opened on June 6, 2002 due to a 20-gallon No. 2 fuel oil spill that occurred in a basement. According to the database listing, no floor drains were affected and the floor had no cracks or escape routes. The spill was cleaned up and the spill number was closed the same day.
- Spill No. 0109604 was opened on September 10, 2001 due to contaminated soil observed during No. 6 fuel oil underground storage tank removals. The spill was closed on March 10, 2003. No other information was provided in the database listing.

One hundred and forty four additional spills were reported within a ½-mile radius of the subject sites. Sixty six of these sites have had their spill numbers closed by the NYSDEC and are documented as "cleanup meets standard," indicating that the NYSDEC does not consider these sites to be continued threats to human health or the environment. Eleven sites within the search radius were listed with active spills, three of which could not be mapped due to lack of address information.

Based on the number of reported spills and the information provided in the database, the subject property may have been affected by these releases. Details of all listed spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYSDEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

No RCRA TSD facilities were identified within a ½-mile radius of the subject site. No CORRACTS facilities were identified within a 1-mile radius of the subject site.

Thirteen RCRA Generators/Transporters were reported within a ⅛-mile radius of the power plant portion of the subject site. All of the sites were listed as being located on

Rikers Island, but could not be mapped due to lack of address information. Seven of the thirteen sites were NYCDOC facilities and were listed as Large Quantity Generators with wastes including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability, and solid waste that exhibits the characteristic of corrosivity. The remaining sites were Con Ed vaults listed for PCB-containing petroleum oil. Depending upon their locations, potential releases from these facilities may have affected environmental conditions at the subject site.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No CBS facilities were listed within a ⅛-mile radius of the subject property.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

No Solid Waste Facilities were identified within a ½-mile radius of the study site.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons. The Rikers Island Power Plant (subject property) was listed as a Petroleum Bulk Storage Facility (Facility ID: 2-607229). Details of on-site tanks at the power plant are listed in Table 2.

Table 2
Central Power Plant On-Site Bulk Storage Facility Registration Data

Capacity (gallons)	Product Stored	Install Date	Status
Six 55,000-gallons USTs	No. 6 fuel oil	NA	Closed-removed 9/29/1999
45,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
42,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
39,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
35,000-gallon UST	No. 6 fuel oil	NA	Closed-removed 5/15/2001
Two 20,000-gallon USTs	Diesel	NA	Closed-in-place 11/1/2001
Two 10,000-gallon USTs	Diesel	NA	Closed-in-place 11/1/2001
Six 40,000-gallon USTs	No. 2 fuel oil	8/1/1999	Active
Two (2) 20,000-gallon USTs	Diesel	11/1/2001	Active
4,000-gallon AST	Diesel	NA	Active
1,000-gallon AST	Waste oil	NA	Active

Notes: UST = underground storage tank
AST = aboveground storage tank
NA = Not available

Tanks at the power plant listed as closed-in-place included two 20,000-gallon and two 10,000-gallon diesel underground storage tanks. Tanks listed as in-service included six No. 2 fuel oil 40,000-gallon underground storage tanks and two 20,000-gallon diesel underground storage tanks. It should be noted that the six No. 6 fuel oil 55,000-gallon underground storage tanks and four No. 6 fuel oil underground storage tanks that measured approximately 45,000-gallons, 42,000-gallons, 39,000-gallons and 35,000-gallons capacities that were closed and removed, were not listed in the database. Additionally, the in-service 4,000-gallon diesel aboveground storage tank and the in-service 1,000-gallon waste oil aboveground storage tank observed by AKRF during the site visit were not listed.

Spill No. 0109604 was issued to the subject property on September 10, 2001 for contaminated soil observed during No. 6 fuel oil underground storage tank removals. Details of the spill were provided in the *New York SPILLS Database* section.

Six additional PBS sites were identified within a ⅛-mile radius of the power plant. Five of the six PBS sites were affiliated with the Rikers Island Correctional Facility, but could not be mapped due to lack of address information. Details of these facilities are listed in Table 3.

Table 3
Area Petroleum Bulk Storage Facility Data

Facility ID	Capacity (gallons)	Product Stored	Install Date	Status
Otis Bantum Corp.	20,000 UST	No. 2 Fuel Oil	12/1/1986	Closed 7/2006
	10,000 AST		12/1/1987	In Service
	25,000 UST x 2		04/1/1993	In Service
AIDS Modular Building, R. I.	8,000 UST	Diesel	NA	Closed 1/1999
NYC Correctional Institution	2,200 AST	No. 2 Fuel Oil	12/1/1964	In Service
	5,000 AST x 2		12/1/1990	In Service
Rikers Island Bakery	8,000 AST	No. 2 Fuel Oil	NA	In Service
	55 UST		12/1/1965	Closed 2/1/1999
Rikers Island Auto Service	1,000 AST x 2	Lube Oil	9/1/1990	In Service
	1,500 UST x 2	Gasoline	12/1/1987	Closed 11/1/2005
	3,000 UST	Diesel	12/1/1983	Closed 11/1/2005
	2,000 UST	Other	1/1/2006	In Service
	4,000 UST	Diesel	12/1/1987	In Service
	4,000 UST	Gasoline	12/1/1987	In Service
	4,000 UST	Diesel	NA	Closed 1/1/2006
	4,000 UST	Gasoline	NA	NA
Telecommunication Building	10,000 UST	No. 2 Fuel Oil	12/1/1990	Closed 2/1/2001

Notes: UST = underground storage tank
AST = aboveground storage tank
NA = Not available

The Rikers Island Auto Service shop was listed in the NY SPILLS database with active spill number 9409348. The spill may have affected the subject site based on distance and information provided in the database. No other PBS sites were identified within a ⅛-mile radius of the subject site.

The electric substation was not listed as a PBS facility. No PBS facilities were listed within a ⅛-mile radius of the electric substation.

Details of all listed PBS facilities are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

No State Inactive Hazardous Waste Disposal Sites were reported within a one-mile radius of the subject property.

State Hazardous Substance Waste Disposal Site Study (SHSWDS)

This database tracks waste disposal sites that may pose threats to public health or the environment, but that cannot be remediated using monies from the Hazardous Waste Remediation Fund.

Rikers Island was listed as a Hazardous Substance Waste Disposal Site related to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000 gallons of sludge, 500 pounds of pesticides and 500 gallons of other organic chemicals. Sanitary landfilling also took place.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

The Rikers Island Power Plant (subject property) was listed as a Major Oil Storage Facility (Facility Id 2-2620). Details of on-site tanks can be found in the Petroleum Bulk Storage section. No other MOSF sites were identified within a ⅛-mile radius of the subject site.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding, through the Clean Water/Clean Air Bond Act of 1996, to reimburse costs for site investigation and remediation. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Environmental Restoration Programs were identified within a ½-mile radius of the subject site.

Voluntary Cleanup Program

In contrast to the Environmental Restoration Program, the Voluntary Cleanup Program is a NYSDEC program for investigation and remediation of generally privately-owned sites. It allows volunteers to obtain NYSDEC liability releases following cleanup. New sites are no longer accepted into this program (see the Brownfield Cleanup Program, below) though existing sites may continue to be addressed. Some sites in this program have known extensive contamination, whereas others have more limited contamination or

have not had sufficient investigation to determine whether or not contamination is present.

No Voluntary Cleanup Program sites were identified within a ½-mile radius of the study site.

Brownfield Cleanup Program

In 2003, a New York State law established this successor to the Voluntary Cleanup Program. In addition to liability releases, it established a variety of tax credits for sites remediated through the program. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Brownfield Cleanup Program sites were identified within ½-mile of the subject site.

6.2.3 Local

The local records reviewed included the New York City Fire Department tank records and the Buildings Department on-line Buildings Information system. These records typically include fuel oil, gasoline and waste oil tank installation applications and permits, and records of prior uses.

Fire Department

The database search provided by Toxics Targeting, Inc. indicated that no Fire Department records were found for the subject property.

Buildings Department

Records maintained by the New York City Buildings Department were investigated to determine the potential presence of hazardous materials. No information for the subject site was provided by the New York City Buildings Department on-line Buildings Information System.

6.2.4 Additional Environmental Record Sources

Information about potential off-site impacts and recognized environmental conditions on-site was available from regulatory databases, site tank closure records, the site visit and on-site interviews. Given that it is unlikely that further significant information exists in additional environmental record sources, and given that it is unlikely that it would change the findings of this Phase I assessment, no additional sources were reviewed.

7.0 INTERVIEWS

7.1 Interview with owners, site managers and occupants

Mr. Randy Solomon, Conservation Engineer of the New York Power Authority (NYPA), and site personnel from the NYC Department of Correction provided detailed information about the subject site. This information is summarized in Section 2.1 and throughout the text.

7.2 Interview with local government officials

Federal, state and local regulatory databases were consulted for identifying recognized environmental conditions (RECs) on the property due to on-site or off-site conditions. Given that is unlikely that further significant information would be available from local government

officials, and given that it is unlikely that such information would materially change the findings of this Phase I assessment, local government officials were not interviewed.

8.0 PREVIOUS STUDIES

Closure Report For The Excavation of Underground Storage Tanks, Rikers Island Powerhouse, Bronx, New York, Tyree Brothers Environmental Services, Inc., February 2000

AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall, steel, No. 6 fuel oil underground storage tanks. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 1999. The tanks were situated directly north of the Powerhouse Building. Approximately 19,400 gallons of a fuel/water mixture were removed from the tanks with a vacuum truck. Visible evidence of soil contamination and floating fuel oil contamination in exposed groundwater in the excavation were observed. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semi-volatile organic compounds (SVOC). The concentrations exceeded NYSDEC STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandom (TAGM), HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). It should be noted that the spill number was not listed in the NYSDEC Spills database reviewed for this Phase I ESA. Effected gw

Underground Storage Tank Closure Report, Powerhouse Building – Rikers Island, James McCullagh Co., Inc., September 2001

AKRF was provided with a tank closure report documenting the excavation and removal of four single-wall, steel, No. 6 fuel oil underground storage tanks ranging in size from approximately 35,000 to 45,000 gallons. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The tanks were situated directly northwest of the Powerhouse Building and were buried approximately four feet below grade with the top half of the tanks exposed in a concrete vaulted room. No visible contamination was reported in the excavation. Analytical results, however, indicated volatile organic compounds (VOC) and petroleum-related SVOC compounds present at concentrations that exceeded the NYSDEC STARS guidance values in endpoint soil samples. The spill was reported to the NYSDEC and Spill No. 01-09604 was assigned to the site.
closed

Tank Closure Summary, City of New York Department of Design and Construction – City of New York Department of Corrections, Gemstar Construction., December 2001

AKRF was provided with a tank closure report documenting the closure of two 10,000-gallon and two 20,000-gallon No. 2 fuel oil underground storage tanks. The tanks, which supplied the plant's emergency generators, were closed-in-place in February 2001. Analytical results of endpoint soil samples showed no significant petroleum-related SVOC concentrations.

Monitoring and Sampling of Groundwater Wells – Rikers Island Correction Facility, GZA GeoEnvironmental of New York, 2002 - 2004

AKRF was provided annual groundwater monitoring and sampling reports prepared by GZA GeoEnvironmental of New York. The reports document monthly groundwater monitoring and annual groundwater sampling, conducted at the site from July 2001 through June 2004. The data and samples

were collected from seven monitoring wells downgradient of six 40,000-gallon No. 2 fuel oil underground storage tanks and two 20,000-gallon, diesel underground storage tanks. Groundwater samples were analyzed for SVOCs only. Evidence of petroleum contamination was not reported by GZA during groundwater monitoring and petroleum-related SVOC compounds were not detected in any of the samples collected.

9.0 LIMITATIONS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- A limited visual inspection for asbestos was performed in readily accessible areas only. No samples were collected as part of this assessment.

10.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard.

11.0 DATA GAPS

Section 3.3.20 of ASTM Standard E 1527-05 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the by the ASTM Standard. The following data gaps occurred in connection with this report:

Table 4
Data Gaps Identified

Data Gap	Explanation	Relevance of Gap
Project site Area History	The Project site area history was not conducted in five-year intervals	This data gap is not likely to alter the conclusions of the report
Project site Area History	The Project site area history was not conducted to prior to site development	This data gap is not likely to alter the conclusions of the report
Interview with former Owner or Operator	AKRF was unable to locate the former site owner or operator.	This data gap is not likely to alter the conclusions of the report
Interview with Owner or Operator of site abutters	AKRF was unable to locate the owners of the abutting properties	This data gap is not likely to alter the conclusions of the report

12.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. Any exceptions to, or deletions from, this practice are described in Sections 9.0 and 11.0 of this report.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. This assessment revealed evidence of the following recognized environmental conditions in connection with the property:

- Spill No. 0109604 was issued for the Rikers Island Central Power Plan on September 10, 2001 due to contaminated soil observed on-site during removal of four No. 6 fuel oil underground storage tanks of approximately 45,000-gallon, 42,000-gallon, 39,000-gallon and 35,000-gallon capacities. Closure activities were conducted by James McCullagh Co., Inc. from May to September 2001. The spill was closed on March 10, 2003.

- AKRF was provided with a tank closure report documenting the excavation and removal of six 55,000-gallon, single-wall, steel, No. 6 fuel oil underground storage tanks at the Central Power Plant. Closure activities were conducted by Tyree Brothers Environmental Services, Inc. (Tyree) from July 26 through September 29, 1999. Tyree reported visible soil contamination and fuel oil floating in exposed groundwater in the excavation. Tyree reported the spill to the New York State Department of Environmental Conservation (NYSDEC) and Spill No. 99-06629 was assigned to the site. Approximately 2,705 tons of petroleum-contaminated soil were removed from the excavation and transported off-site for disposal. Endpoint soil sample analysis revealed elevated concentrations of petroleum-related semi-volatile organic compounds (SVOCs), that exceeded New York State Department of Environmental Conservation (NYSDEC) STARS soil guidelines for petroleum-contaminated soil and were indicative of residual contamination from the underground storage tanks. Additionally, PCBs and metals were detected in endpoint soil samples, however, at levels below NYSDEC Technical and Administrative Guidance Memorandum (TAGM), HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The spill number given in the Tyree report was not listed in the NYSDEC Spills database reviewed for this Phase I ESA.

- Two additional closed spill numbers were cited for Rikers Island Power Plant. A February 15, 1989 300-gallon diesel spill (Spill No. 0202449) that originated from a punctured portable tank was closed on December 4, 1992. A June 6, 2002 20-gallon No. 2 fuel oil spill (Spill No. 0109604) that occurred in a basement was closed the same day.

- No. 2 fuel oil was stored in six on-site 40,000-gallon underground storage tanks located outside of the building, along the northern wall of the power plant, within a fenced area. Two 20,000-gallon diesel underground storage tanks were located outside along the eastern wall of the plant and were connected to two 100-gallon diesel day tanks located on the first floor.

- A 1,000-gallon waste oil aboveground storage tank aboveground storage tank, six portable, 1,000-gallon waste oil aboveground storage tanks and two 55-gallon waste oil drum storage areas were noted outside the building along the western wall of the plant. Heavy staining and evidence of spill cleanup was observed around the tanks and drums. According to site personnel, storm drains in the area of the power plant were connected to the municipal sewer system.

- A drum storage area, containing 55-gallons drums labeled anti-freeze and coolant, was located on the first floor at the southern end of the plant. Moderate staining was observed near the drums.
- Rikers Island Power Plant (subject property) was listed as a New York State Major Oil Storage Facility (MOSF) and a Petroleum Bulk Storage (PBS) facility on the regulatory database. Current on-site fuel oil storage was reported to consist of approximately 240,000 gallons of No. 2 fuel oil, 44,000 gallons of diesel and an unknown quantity of waste oil.
- Rikers Island was listed as Hazardous Substance Waste Disposal Site (SHSWDS) in the regulatory database related to fill material from refuse and possible dredged material disposed on the island during the early 1900s. According to the database listing, the material used to expand the island contained approximately 1,000 gallons of sludge, 500 pounds of pesticides and 500 gallons of other organic chemicals. Sanitary landfilling also took place.
- Rikers Island was listed as a CERCLIS NFRAP (No Further Remedial Action Planned) site. No specific address for the listing was provided and no further information about the listing was given.
- According to site personnel, the buildings on the power plant portion of the subject property were constructed around 1930, at which time many Asbestos-Containing Materials (ACMs) were utilized.
- Based on the age of the subject building, lead-based paint may be present. Painted surfaces of the subject buildings were observed to be in varying conditions ranging from good to poor.
- The on-site power plant buildings were illuminated by fluorescent lighting. Based on the age of the power plant buildings, suspect polychlorinated biphenyls (PCB)- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- Electrical equipment at the substation portion of the site may be PCB-and/or mercury-containing. No leaks or stains were noted around such equipment, which do not currently present a potential hazard to human health.
- A regulatory database search indicated that thirteen RCRA Generators/Transporters were reported within a ⅛-mile radius of the subject site. All of the sites were located on Rikers Island but could not be mapped due to lack of address information. Seven of the thirteen sites were New York City Department of Correction (DOC) facilities and were listed as Large Quantity Generators with waste descriptions including benzene, lead, mercury, DDT, spent non-halogenated solvents, solid waste that exhibits the characteristic of ignitability and solid waste that exhibits the characteristic of corrosivity. The remaining sites were Consolidated Edison vaults listed for PCB-containing petroleum oil. Based on the information provided in the database, reported and potential releases may have affected environmental conditions at the subject site.

Based on the results of this assessment, the following recommendations are noted:

- A subsurface (Phase II) investigation should be conducted to determine whether the historical uses of the project site and the surrounding properties have affected on-site environmental conditions. In particular, the scope of the investigation should test for potential soil and groundwater contamination from all on-site fuel oil and waste oil storage, electrical transformers, and materials used as fill to expand the extent of the island.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations.

- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction). Areas containing suspected lead-based paint should be maintained in good condition.
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures and/or electrical equipment are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

13.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Brian Dortch
Environmental Scientist

14.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property.

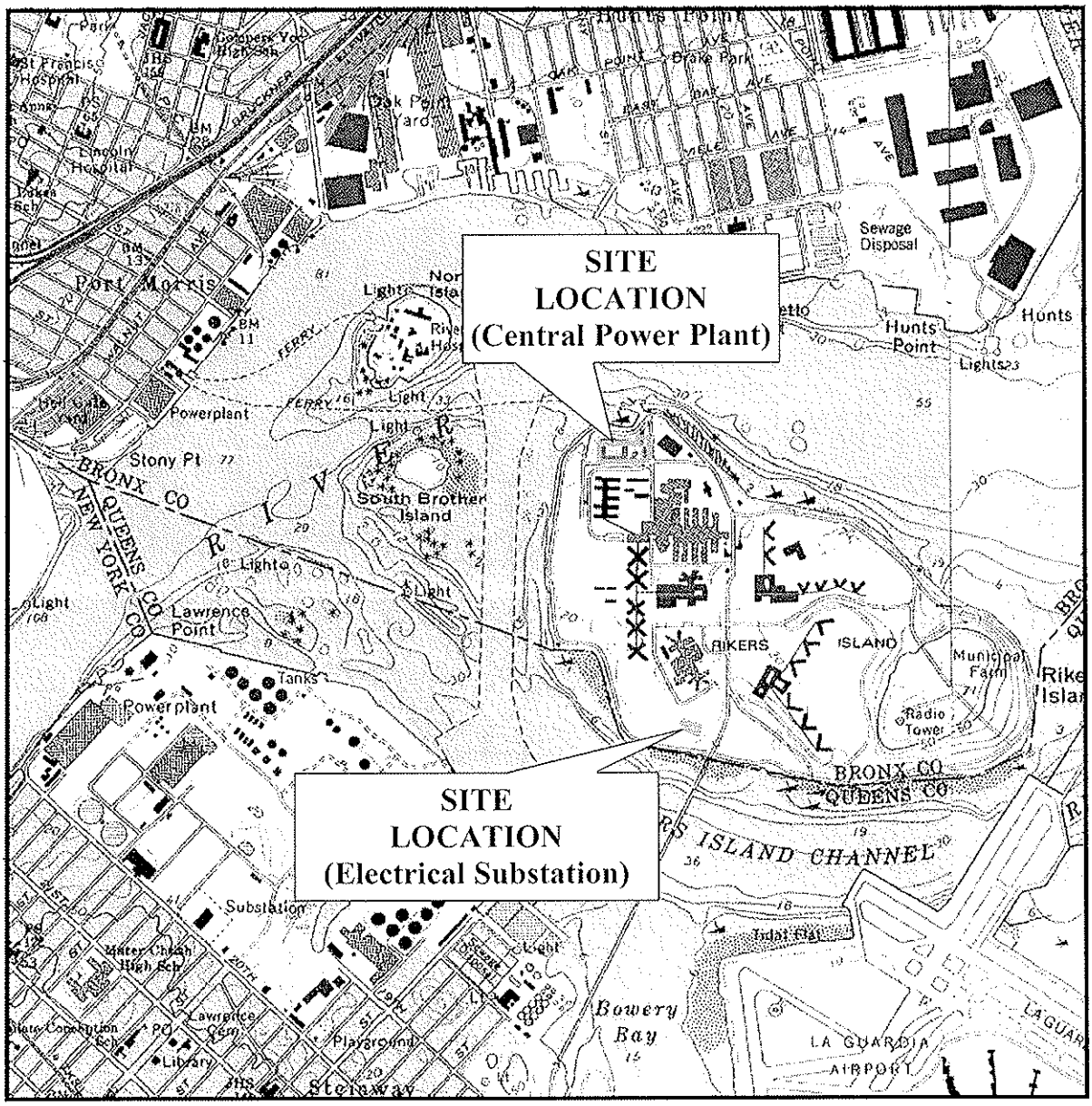
The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. It is intended for use as a supplement to the property appraisal, and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than DMJM Harris and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

15.0 REFERENCES

1. Toxics Targeting, Inc.; Rikers Island Power Plant, Bronx, New York 11370; Regulatory Radius Search; March 26, 2008.
2. U.S. Geological Survey; Central Park, NY Quadrangle; 7.5 minute Series (Topographic); Scale 1:24,000; 1995.
3. New York State Department of Health: Office of Public Health - Environmental Radiation Section; Basement Radon Screening Data; August, 2006.
4. Historical Aerial Photographs dated 1955, 1966, 1978, 1984 and 1996.
5. Tyree Brothers Environmental Services, Inc.; Closure Report For The Excavation of Underground Storage Tanks, Rikers Island Powerhouse, Bronx, New York; February 2000.
6. James McCullagh Co., Inc.; Underground Storage Tank Closure Report, Powerhouse Building – Rikers Island, September 2001.
7. Gemstar Construction.; Tank Closure Summary, City of New York Department of Design and Construction – City of New York Department of Corrections, December 2001.
8. GZA GeoEnvironmental of New York; Monitoring and Sampling of Groundwater Wells – Rikers Island Correction Facility, 2002 – 2004.



SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

N

SOURCE:
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

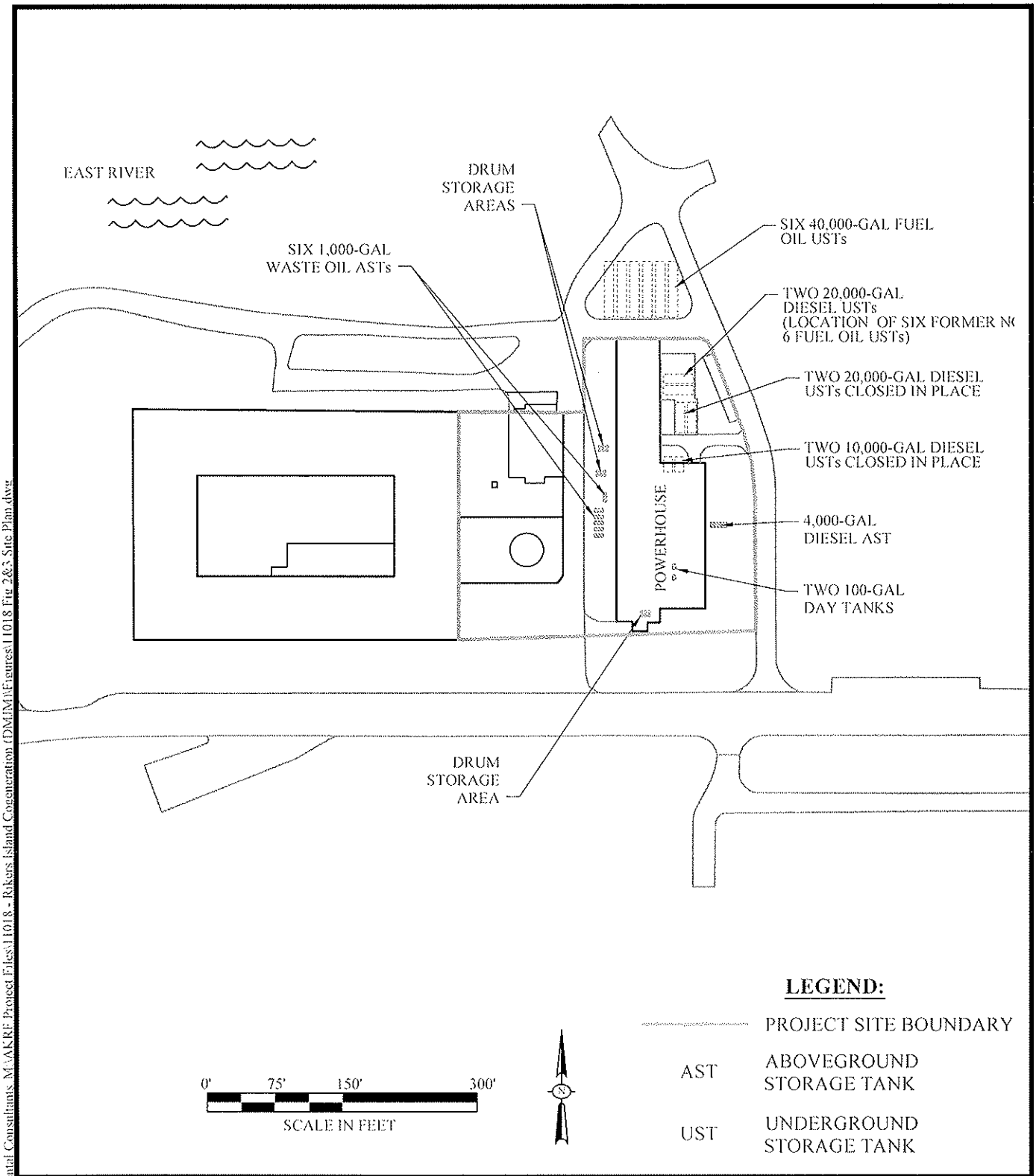
RIKERS ISLAND
Central Power Plant and Electrical Substation
BRONX, NEW YORK

PROJECT SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	6.20.08
PROJECT No	11018
SCALE	as shown
FIGURE	1

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\Figures\11018 Fig 1 loc map.pub



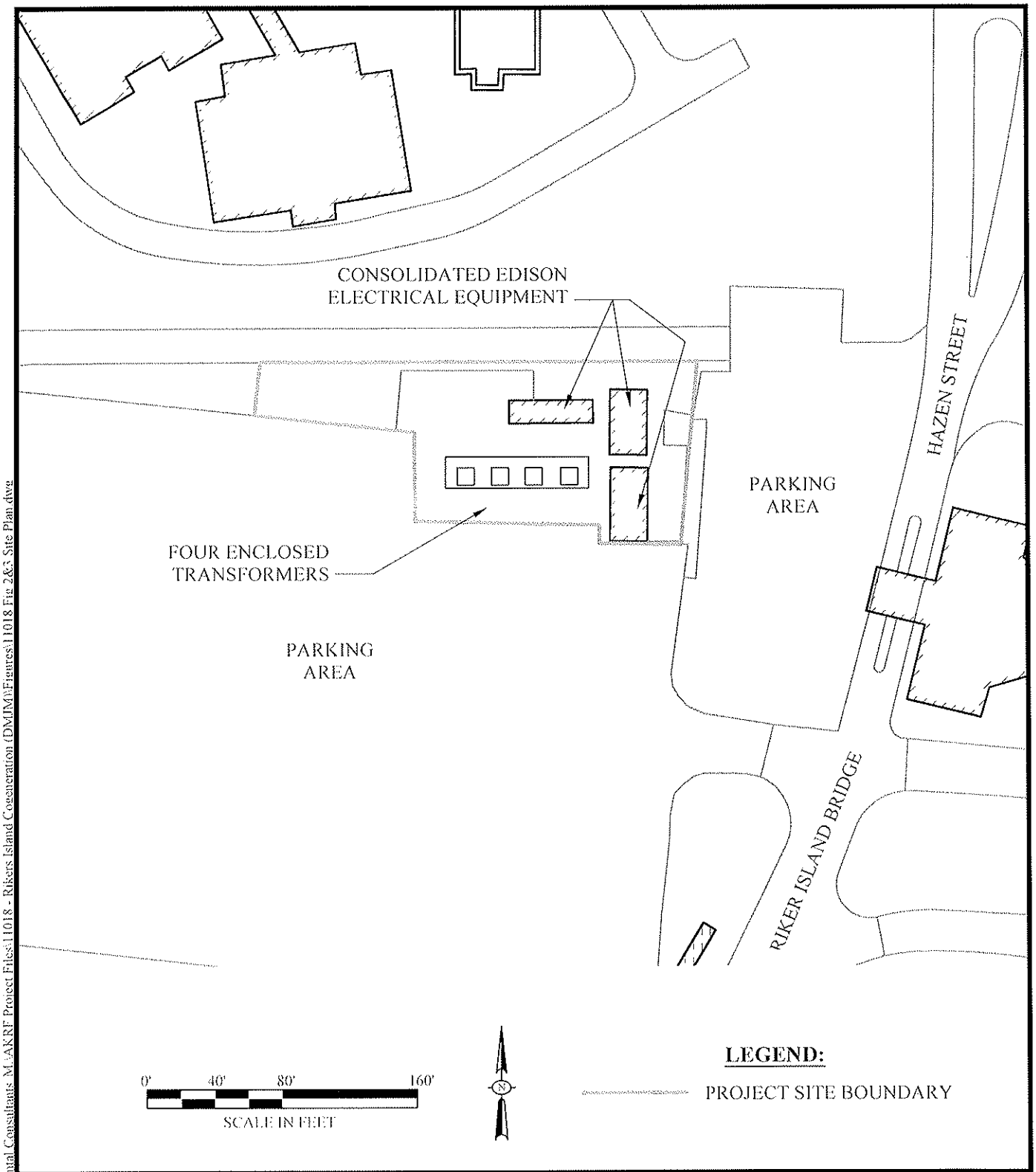
RIKERS ISLAND
CENTRAL POWER PLANT
BRONX, NEW YORK

SITE PLAN DETAIL

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE 6.03.08
PROJECT No 11018
SCALE as shown
FIGURE 2

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\Figures\11018 Fig 2&3 Site Plan.dwg



RIKERS ISLAND
ELECTRICAL SUBSTATION
BRONX, NEW YORK

SITE PLAN DETAIL

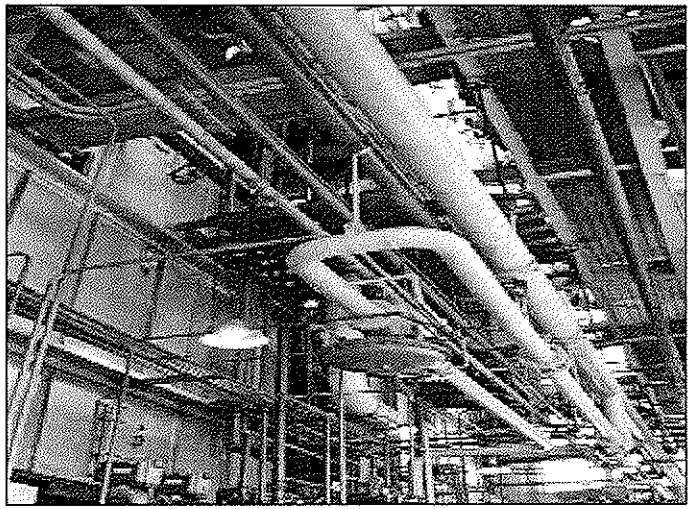
AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	6.20.08
PROJECT No.	11018
SCALE	as shown
FIGURE	3

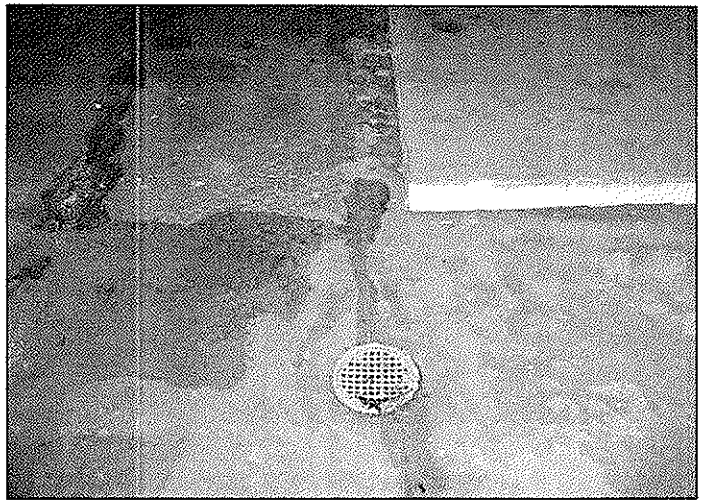
© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DM)\M\Figures\11018 Fig 2&3 Site Plan.dwg

APPENDIX A

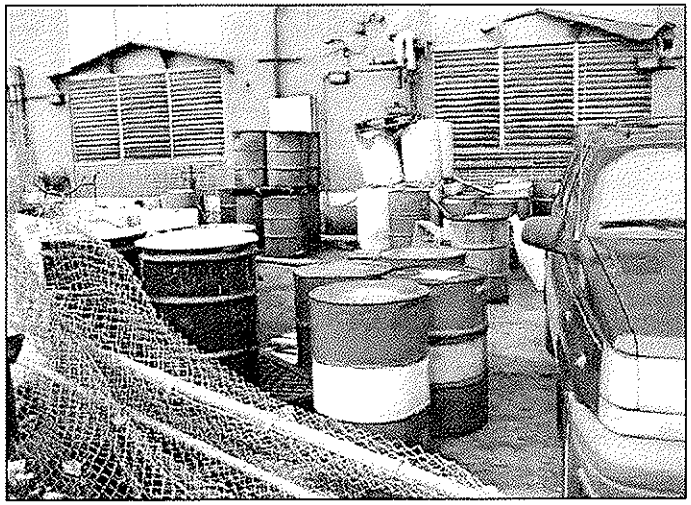
PHOTOGRAPHIC DOCUMENTATION



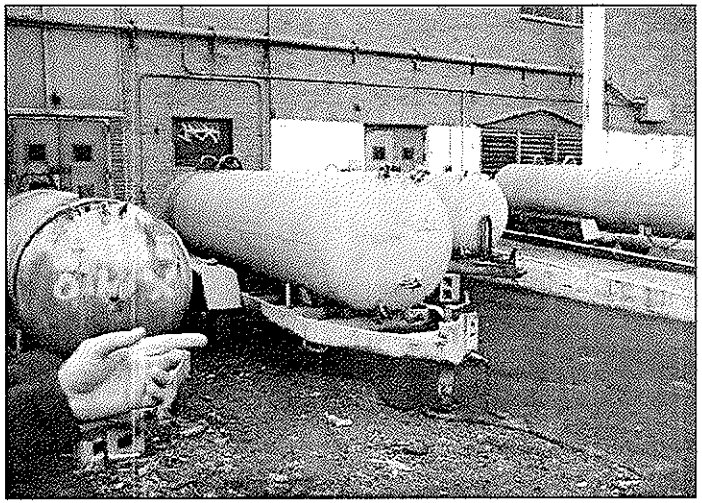
Photograph 5: Piping associated with power plant boilers.



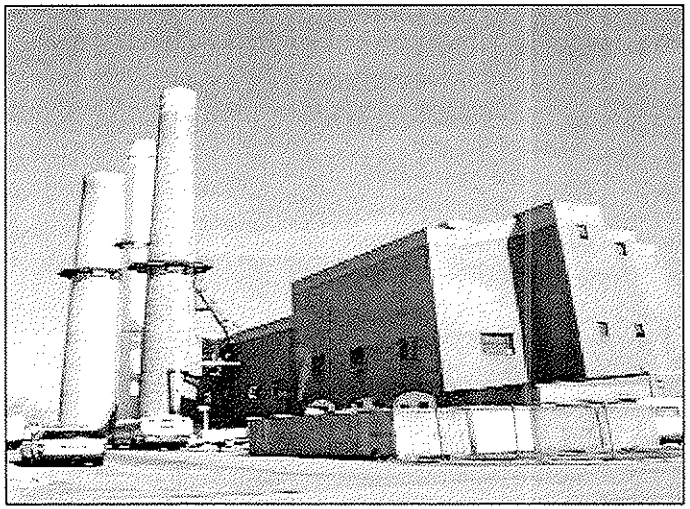
Photograph 6: Floor drain typical to the first floor.



Photograph 7: 55-gallon waste oil drum storage area located west of the plant.

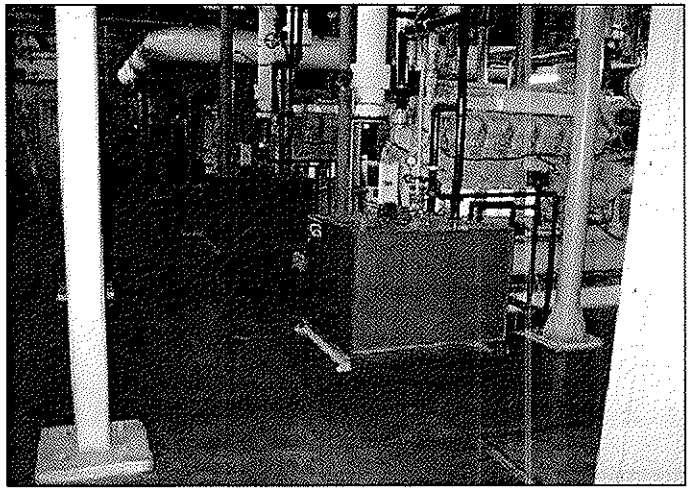


Photograph 8: Mobile 1,000-gallon waste oil aboveground storage tanks located west of the plant.



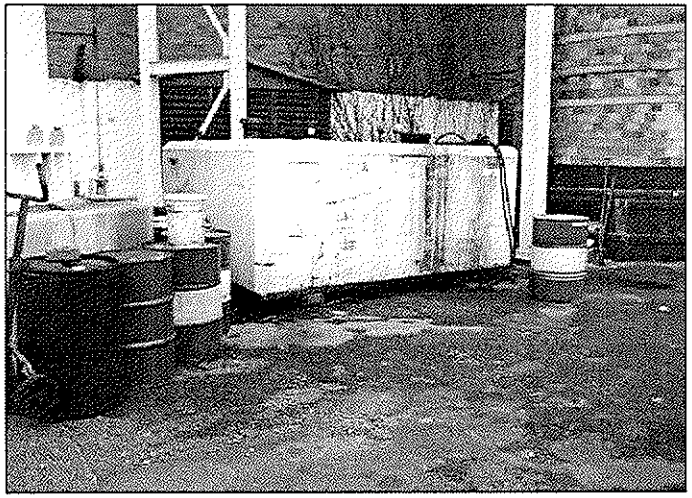
Photograph 1: Rikers Island Power Plant.

Photograph 2: East side of Rikers Island Power Plant.



Photograph 3: 100-gallon day tanks and emergency generators.

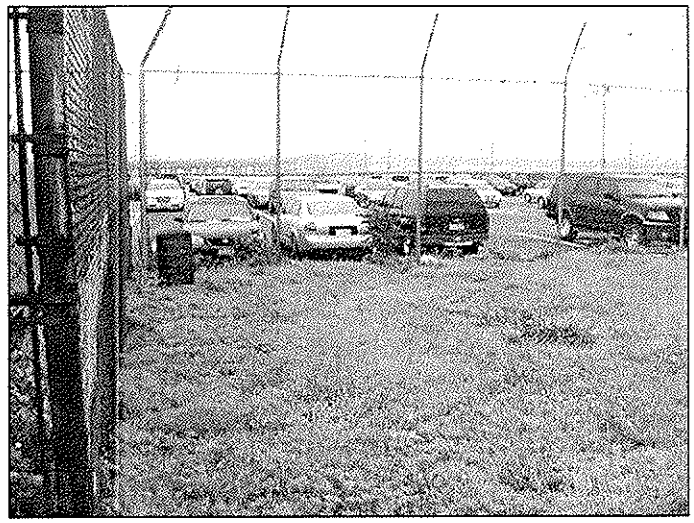
Photograph 4: Indoor 55-gallon antifreeze drum storage area at south end of the plant.



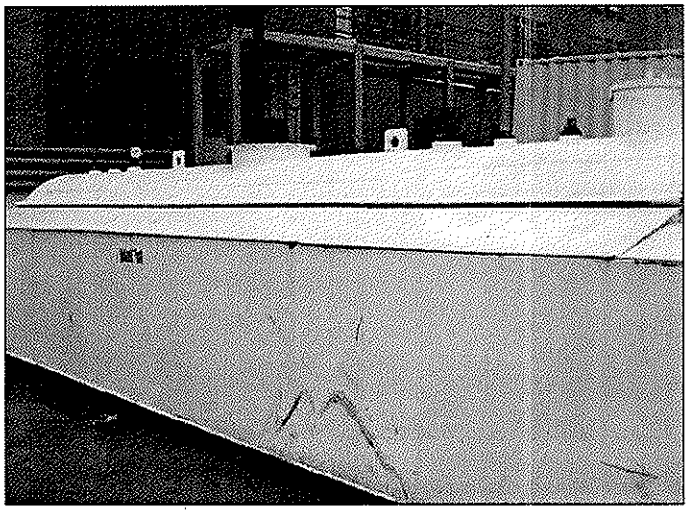
Photograph 13: Active 1,000-gallon waste oil aboveground storage tank located west of the plant.

Photograph 14: Electrical substation on southern side of Rikers Island.

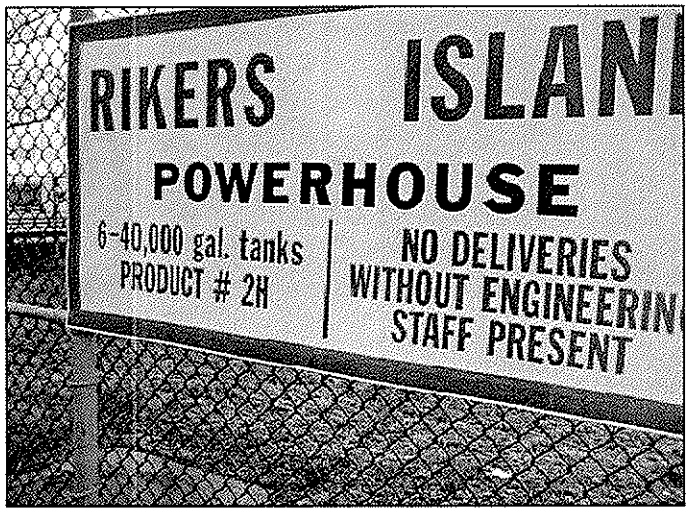
Photograph 15: Transformer located within the substation.



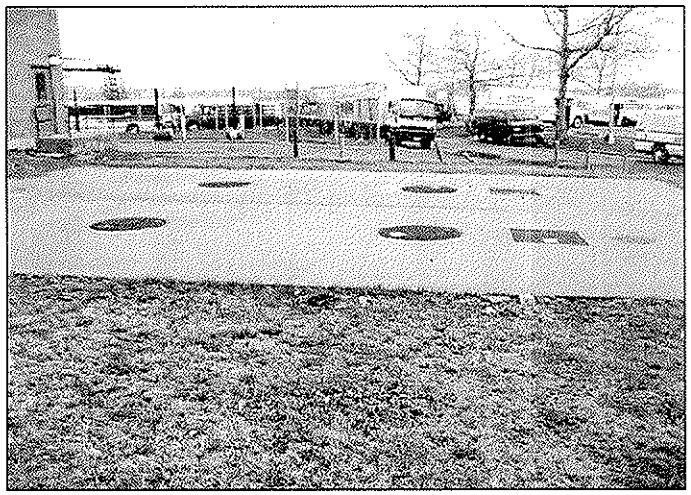
Photograph 16: Storm drain and empty 55-gallon drum in grassy area of substation.



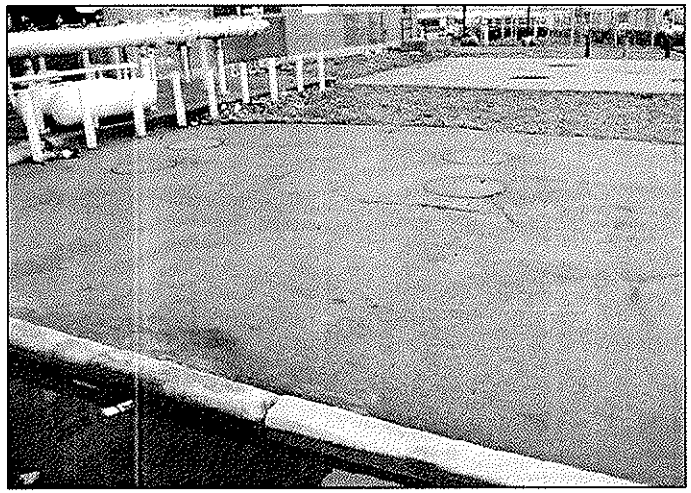
Photograph 9: Active 4,000-gallon diesel aboveground storage tank located east of the plant.



Photograph 10: Location of six 40,000-gallon No. 2 fuel oil underground storage tanks north of the plant.



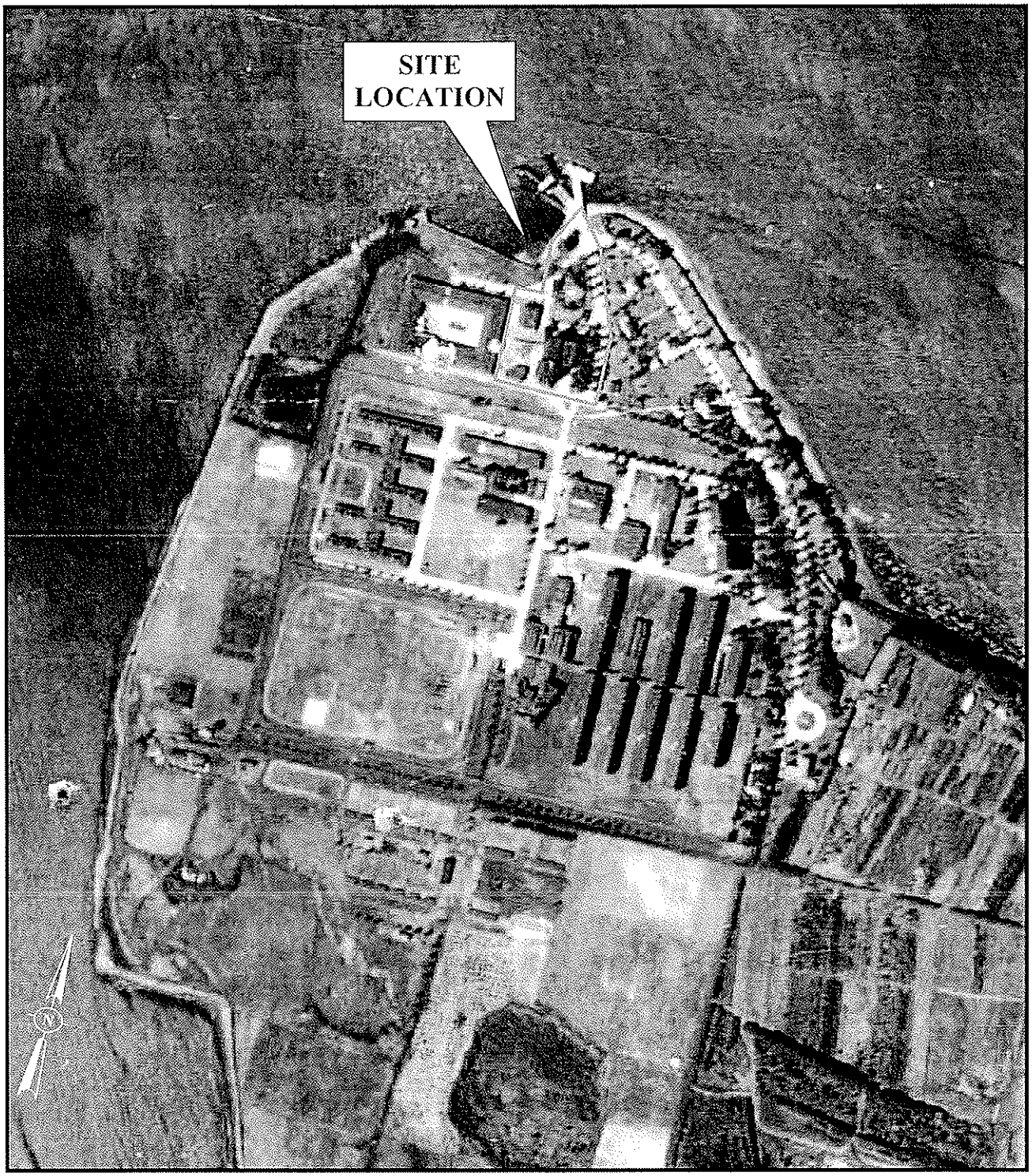
Photograph 11: Location of two active 20,000-gallon diesel underground storage tanks east of the plant.



Photograph 12: Location of two closed in place 20,000-gallon diesel underground storage tanks east of the plant.

APPENDIX B

HISTORICAL AERIAL PHOTOGRAPHS



LEGEND:

PROJECT SITE BOUNDARY

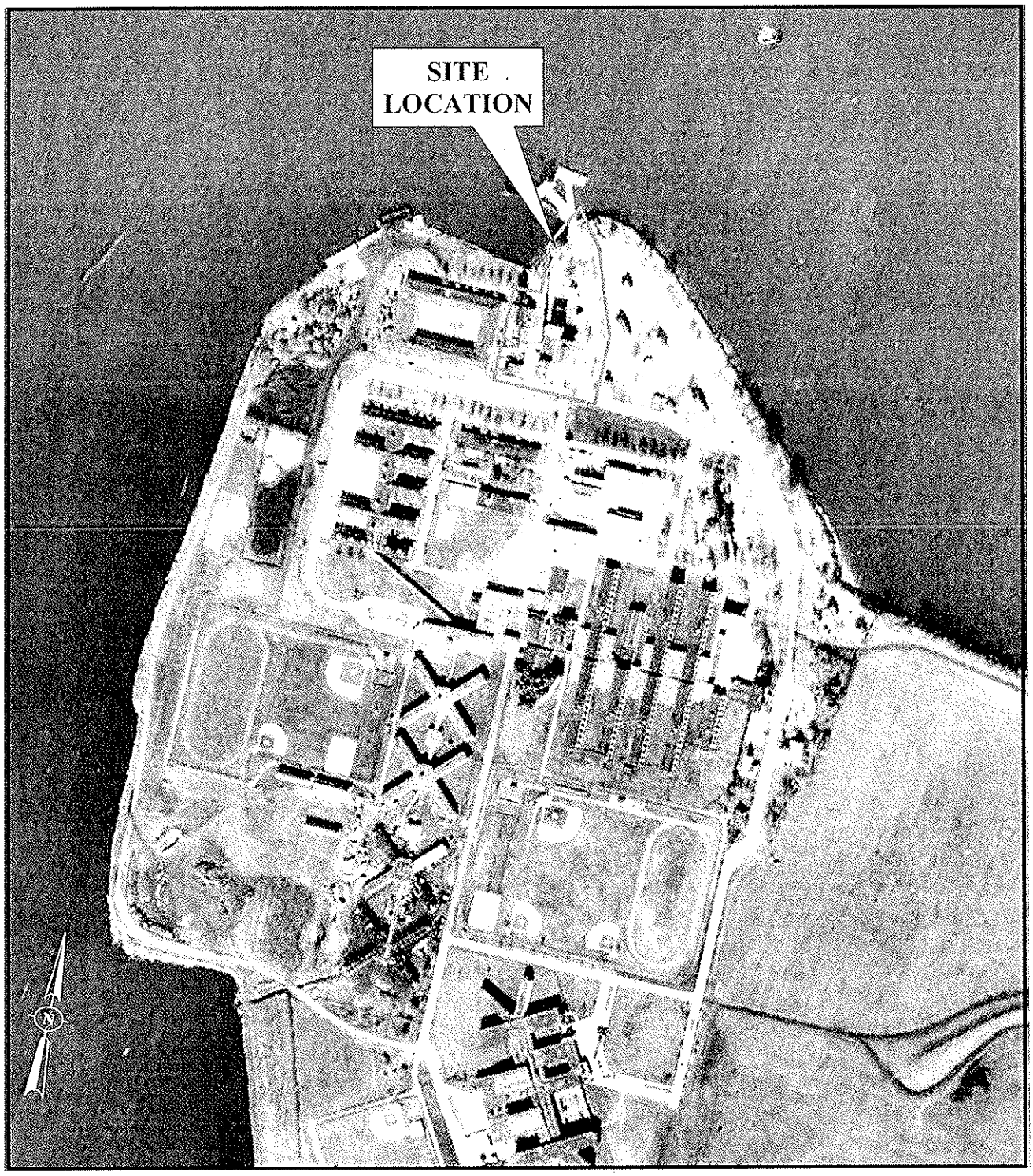
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1955 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMM)\aerials\11018 1955 Aerial map.pub



LEGEND: PROJECT SITE BOUNDARY

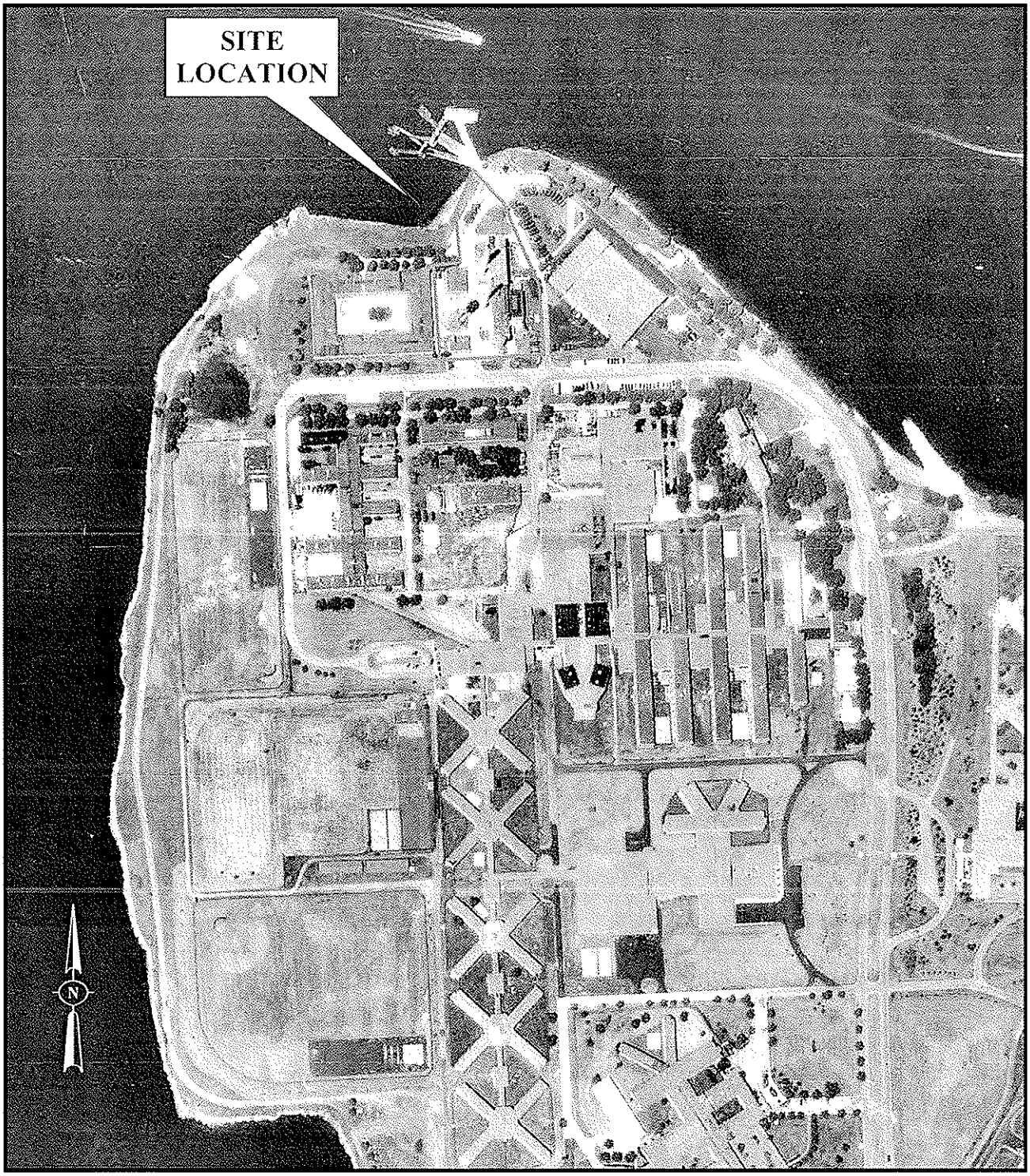
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1966 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No	11018
SCALE	NTS
FIGURE	2

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMM) aerials\11018 1966 Aerial map.mxd



LEGEND:

PROJECT SITE BOUNDARY

RIKER'S ISLAND,
QUEENS, NEW YORK

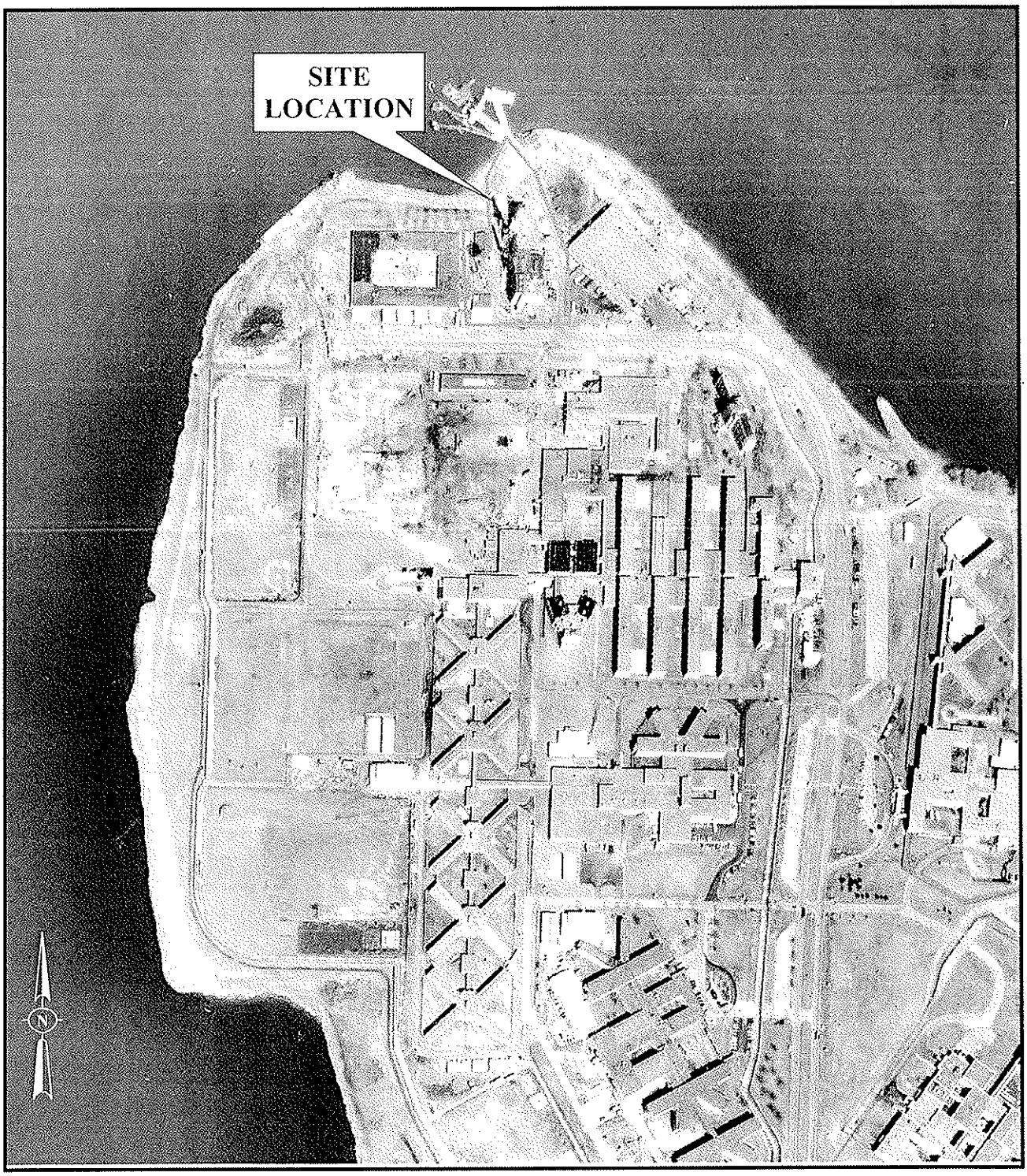
1978 AERIAL PHOTO

AKRF

Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\11018 1978 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

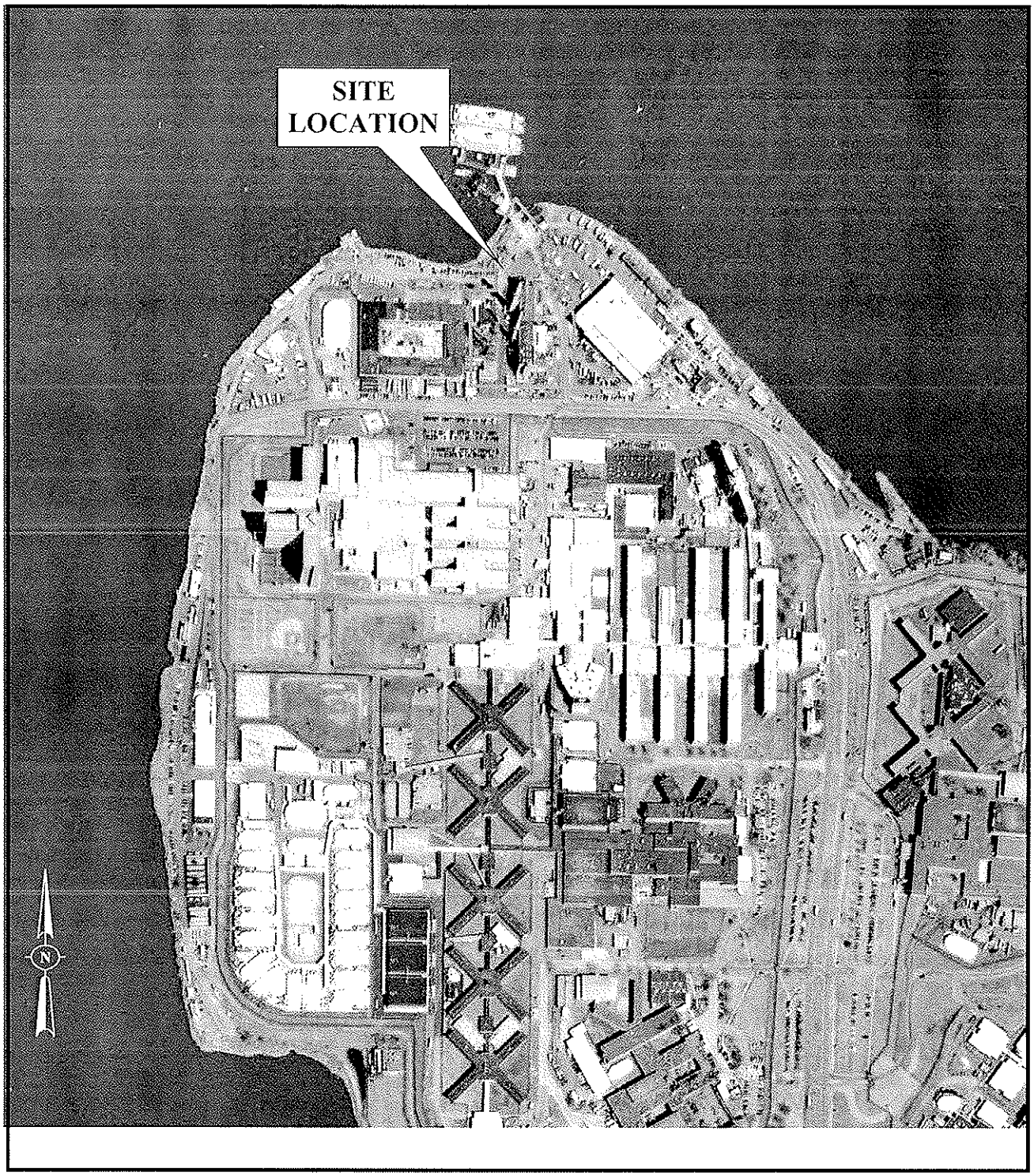
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1984 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\cad\11018 1984 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

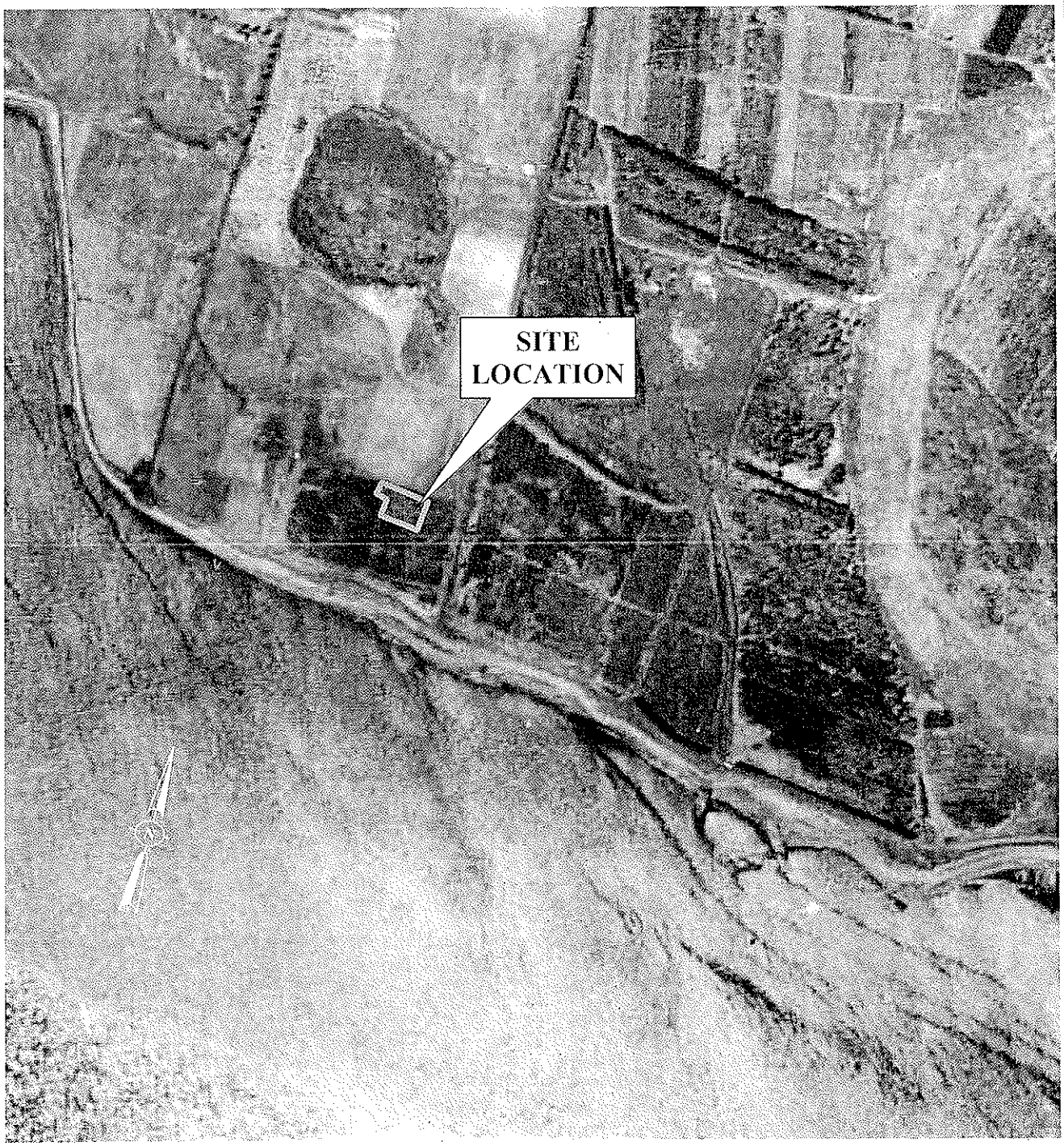
RIKERS ISLAND
Central Powerplant
BRONX, NEW YORK

1955 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.02.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMM)\aerials\11018 1955 Aerial map.pub



LEGEND:

PROJECT SITE BOUNDARY

RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1955 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMUM)\aerials\substation\11018 Aerial 55-96.pub

LEGEND:

PROJECT SITE BOUNDARY

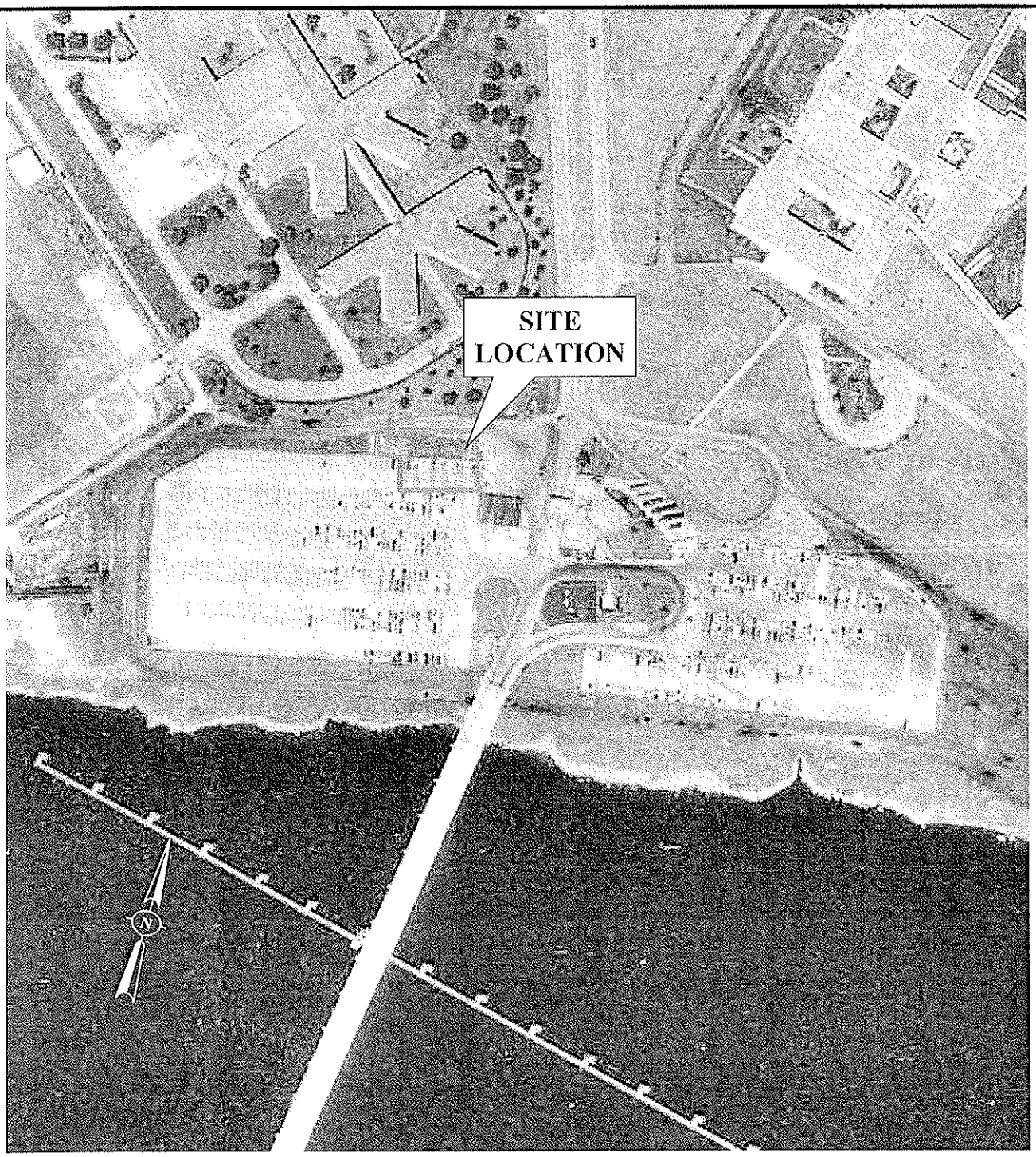
RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1966 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMM)\aerials\substation\11018 Aerial 55-06.gsb



LEGEND:

PROJECT SITE BOUNDARY

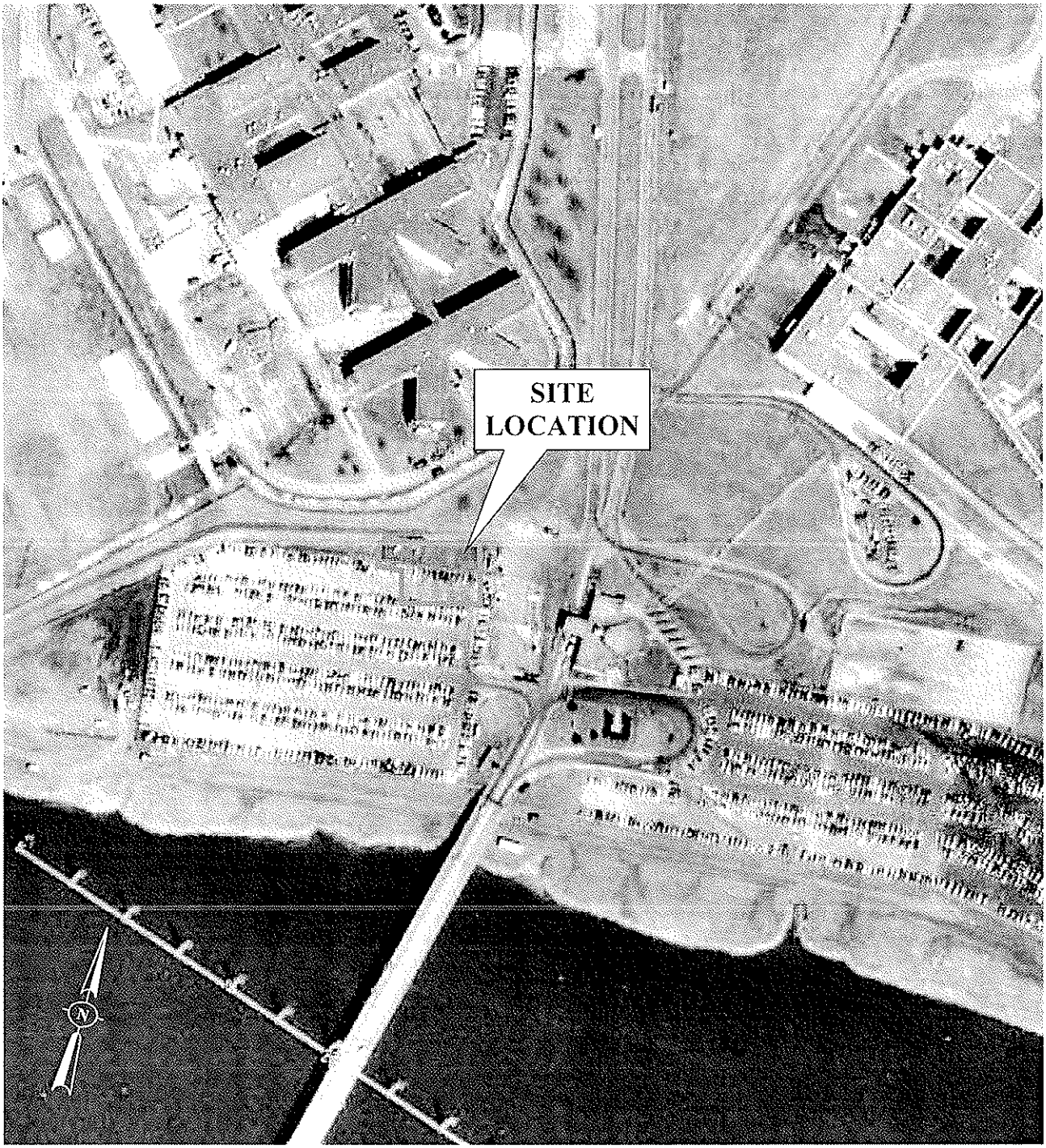
RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1978 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMJM)\aerials\substation\11018 Aerial 55-96.pub



LEGEND:

PROJECT SITE BOUNDARY

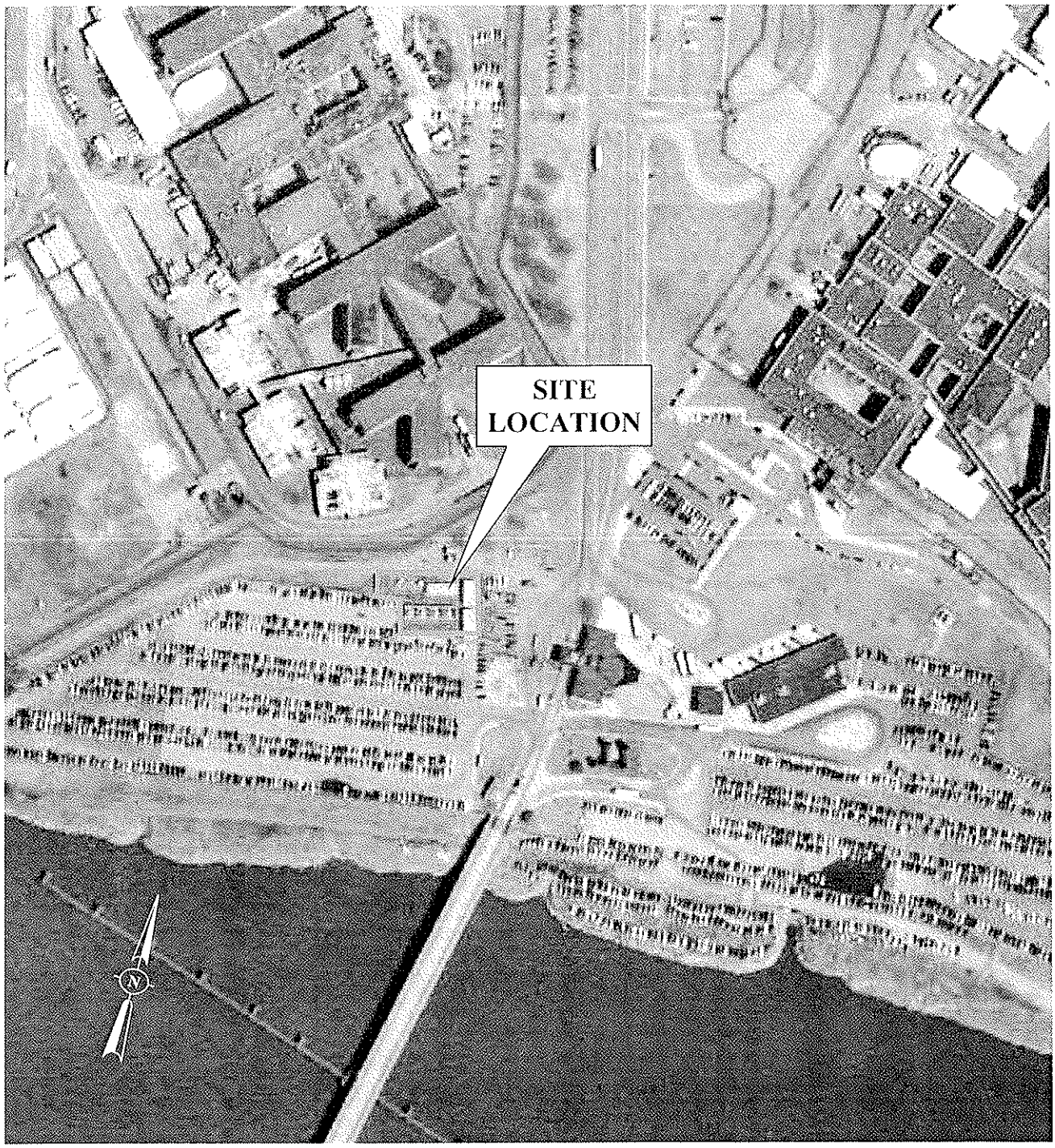
RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1984 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DSM)\aerials\substation\11018 Aerial 55-56.pub



LEGEND:

PROJECT SITE BOUNDARY

RIKERS ISLAND
Electrical Substation
BRONX, NEW YORK

1996 AERIAL PHOTO

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE	06.20.08
PROJECT No	11018
SCALE	NTS
FIGURE	

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11018 - Rikers Island Cogeneration (DMM)\aerials\substation\11018 Aerial 55-96.pub

APPENDIX C

REGULATORY RECORDS REVIEW

Toxics Targeting Environmental Report

Rikers Island Power Plant
Bronx, NY 11370

March 26, 2008

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

Introduction 1

- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

Section One: Your Report Summary 6

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close-up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

© Toxics Targeting, Inc. 2008

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

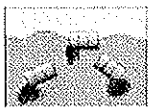
- Check Table Three to see identified sites ranked by proximity to the target address.

- Check Table Four to see identified sites sorted by site categories.

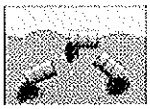
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

Search Radius

One-Mile 

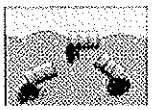
1) ***National Priority List for Federal Superfund Cleanup:*** a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites:*** a listing of NPL sites that have been removed from the National Priority List.

One-Mile

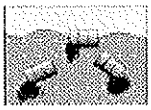
3) ***New York Inactive Hazardous Waste Disposal Site Registry:*** a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

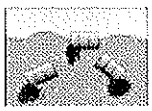
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying:*** a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

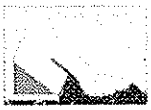
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites:*** a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry:*** active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

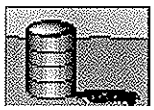
Half-Mile

10) ***New York City 1934 Solid Waste Sites:*** a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

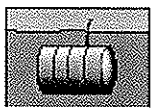
Half-Mile 

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

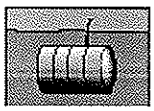
- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile

13) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile 

14) ***New York State Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

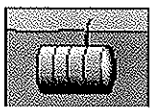
Eighth-Mile 

15) ***New York City Fire Dept Tank Data:*** tank data from 1997.

Eighth-Mile

16) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

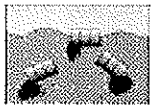
- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile 

17) ***New York Chemical Bulk Storage Facilities:*** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile

18) ***Historic New York City Utility Sites (1890's to 1940's):*** power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile 

19) ***New York Hazardous Substance Disposal Site Draft Study:*** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile

20) ***Federal Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile

21) ***Federal Air Discharges:*** air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile

23) ***Federal Civil and Administrative Enforcement Docket:*** judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft)

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites:*** parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only

25) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	0	1	0	Not searched	1
Active Spills - Unknown / Other Causes	0	0	0	1	Not searched	1
Active Spills - Miscellaneous Causes	0	0	0	0	Not searched	0
Closed Tank Failures	0	0	0	0	Not searched	0
Closed Tank Test Failures	0	0	0	1	Not searched	1
Closed Spills - Unknown / Other Causes	0	0	0	1	Not searched	1
Closed Spills - Miscellaneous Causes	3	5	0(1)	0(8)	Not searched	8(9)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	1	0	Not searched	Not searched	Not searched	1
Local & State Petroleum Bulk Storage Sites	1	1	Not searched	Not searched	Not searched	2
RCRA Hazardous Waste Generators & Transporters	0	0	Not searched	Not searched	Not searched	0
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**5**	**6**	**1(1)**	**3(8)**	**0**	**15(9)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	1	0	Not searched	Not searched	Not searched	1
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**1**	**0**	**0**	**0**	**Not Searched**	**1**
Distance Interval Totals	*6*	*6*	*1(1)*	*3(8)*	*0*	*16(9)*

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

Rikers Island Power Plant
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
14	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Petroleum Bulk Storage Site
5	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Closed Status Spill (Misc. Spill Cause)
6	INSIDE PPOWER HOUSE-FL 1	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
7	POWER HOUSE	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
16	NYC CORRECTIONS-RIKER'S ISLAND POWER HS	16-16 HAZEN STREET	0 feet	Air Discharge Site
13	RIKERS ISLAND POWER HOUSE	16-16 HAZEN STREET	0 feet	Major Oil Storage Facility

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
8	RIKERS ISLAND	FUEL OIL LOADING DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
9	RIKER'S ISLAND	1616 HAZAN ST	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
10	RIKERS ISLAND DOCK	RIKERS ISLAND DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
11	RIKERS ISLAND	RIKERS ISLAND- FUEL DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
15	OTIS BANTUM CORR. CENTER	16-00 HAZEN STREET	579 feet to the S	Petroleum Bulk Storage Site
12	RIKERS ISLAND OBCC STAT	16-16 HAZEN STREET	583 feet to the S	Closed Status Spill (Misc. Spill Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
1	NORTH INFERMERY COMMAND	1500 HAZEN ST	1247 feet to the ESE	Active Tank Test Failure
3	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	2500 feet to the SE	Closed Status Tank Test Failure
2	1606 HAZEN	1606 HAZEN ST	2096 feet to the S	Active Haz Spill (Unknown/Other Cause)
4	SOUTH BROTHERS ISLAND	SOUTH BROTHERS ISLAND	2276 feet to the W	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

Rikers Island Power Plant
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Active Tank Test Failures -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	9811099	NORTH INFERMERY COMMAND	1500 HAZEN ST	1247 feet to the ESE

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	0209283	1606 HAZEN	1606 HAZEN ST	2096 feet to the S

Closed Status Tank Test Failures -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	9811097	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	2500 feet to the SE

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	9608994	SOUTH BROTHERS ISLAND	SOUTH BROTHERS ISLAND	2276 feet to the W

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 8

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	8808953	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet
6	0202449	INSIDE PPOWER HOUSE-FL 1	16-16 HAZEN ST	0 feet
7	0109604	POWER HOUSE	16-16 HAZEN ST	0 feet
8	9904187	RIKERS ISLAND	FUEL OIL LOADING DOCK	535 feet to the NE
9	9603216	RIKER'S ISLAND	1616 HAZAN ST	535 feet to the NE
10	9405373	RIKERS ISLAND DOCK	RIKERS ISLAND DOCK	535 feet to the NE
11	9404329	RIKERS ISLAND	RIKERS ISLAND- FUEL DOCK	535 feet to the NE
12	9304269	RIKERS ISLAND OBCC STAT	16-16 HAZEN STREET	583 feet to the S

Major Oil Storage Facilities -- Total Sites - 1

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
13	2-2620	RIKERS ISLAND POWER HOUSE	16-16 HAZEN STREET	0 feet

Petroleum Bulk Storage Sites -- Total Sites - 2

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
14	2-607229	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet
15	2-187720	OTIS BANTUM CORR. CENTER	16-00 HAZEN STREET	579 feet to the S

Air Discharge Sites -- Total Sites - 1

Database searched at 1/8 MILE - Non-ASTM Database

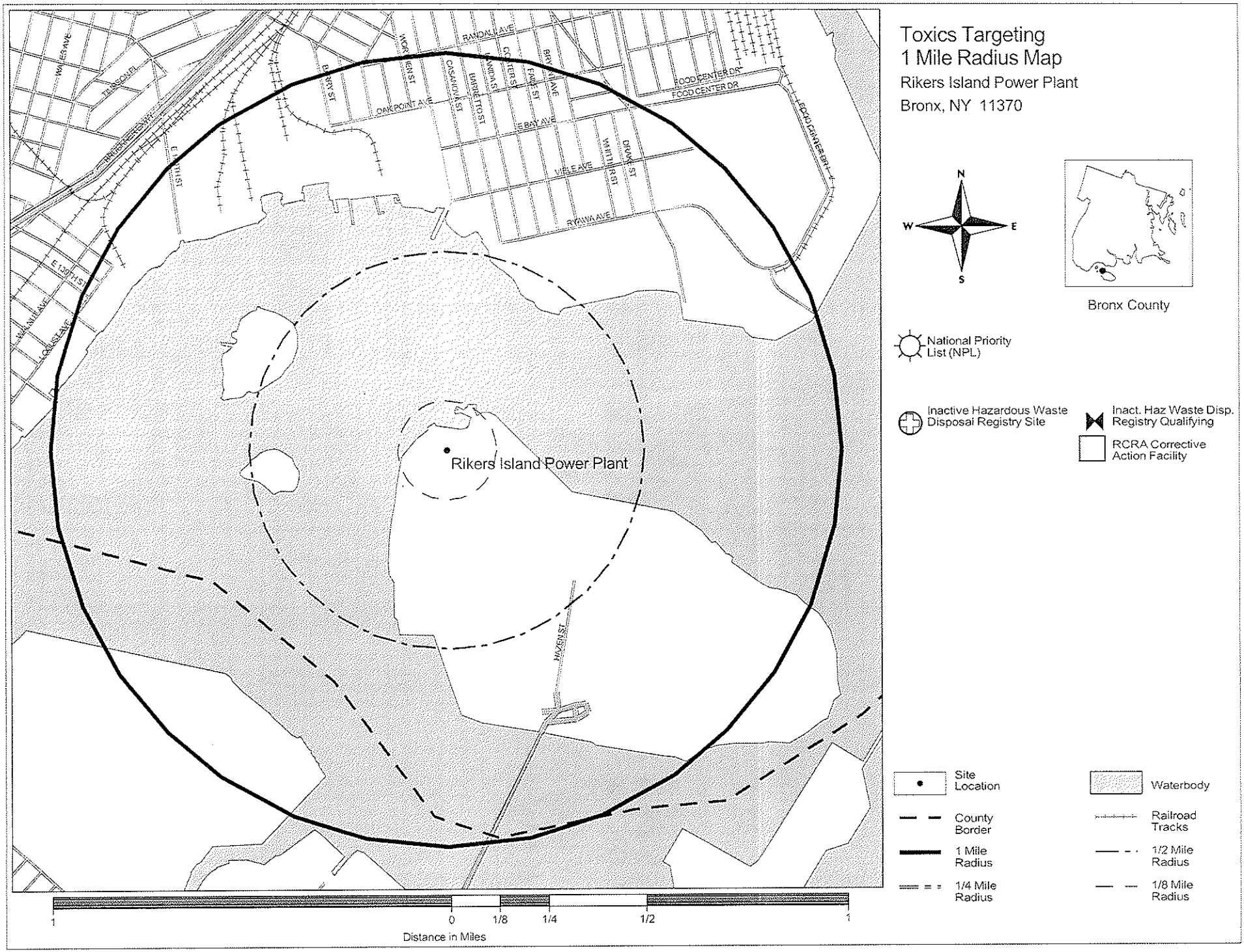
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
16	3600500016	NYC CORRECTIONS-RIKER'S ISLAND POWER HS	16-16 HAZEN STREET	0 feet

Identified Toxic Sites by Proximity

Rikers Island Power Plant, Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

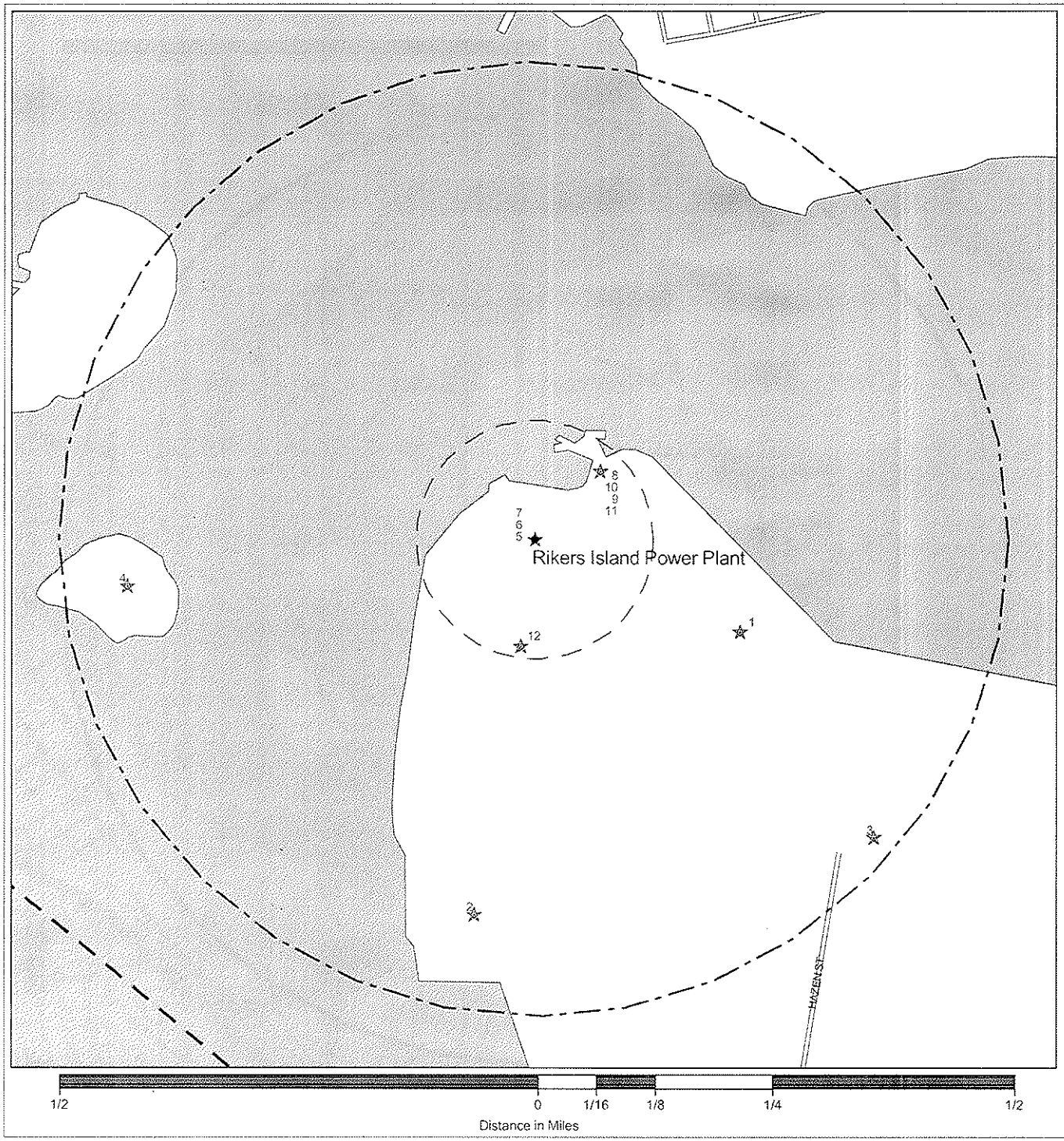
Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
14	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Petroleum Bulk Storage Site
5	RIKERS ISLAND POWERHOUSE	16-16 HAZEN STREET	0 feet	Closed Status Spill (Misc. Spill Cause)
6	INSIDE PPOWER HOUSE-FL 1	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
7	POWER HOUSE	16-16 HAZEN ST	0 feet	Closed Status Spill (Misc. Spill Cause)
16	NYC CORRECTIONS-RIKER'S ISLAND POWER HS	16-16 HAZEN STREET	0 feet	Air Discharge Site
13	RIKERS ISLAND POWER HOUSE	16-16 HAZEN STREET	0 feet	Major Oil Storage Facility
8	RIKERS ISLAND	FUEL OIL LOADING DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
9	RIKER'S ISLAND	1616 HAZAN ST	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
10	RIKERS ISLAND DOCK	RIKERS ISLAND DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
11	RIKERS ISLAND	RIKERS ISLAND- FUEL DOCK	535 feet to the NE	Closed Status Spill (Misc. Spill Cause)
15	OTIS BANTUM CORR. CENTER	16-00 HAZEN STREET	579 feet to the S	Petroleum Bulk Storage Site
12	RIKERS ISLAND OBCC STAT	16-16 HAZEN STREET	583 feet to the S	Closed Status Spill (Misc. Spill Cause)
1	NORTH INFERMERY COMMAND	1500 HAZEN ST	1247 feet to the ESE	Active Tank Test Failure
2	1606 HAZEN	1606 HAZEN ST	2096 feet to the S	Active Haz Spill (Unknown/Other Cause)
4	SOUTH BROTHERS ISLAND	SOUTH BROTHERS ISLAND	2276 feet to the W	Closed Status Spill (Unk/Other Cause)
3	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	2500 feet to the SE	Closed Status Tank Test Failure

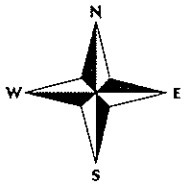

Toxics Targeting
1 Mile Radius Map
Rikers Island Power Plant
Bronx, NY 11370
Rikers Island Power Plant
N
S
E
W
Bronx County
National Priority List (NPL)
Inactive Hazardous Waste Disposal Registry Site
Inact. Haz Waste Disp. Registry Qualifying
RCRA Corrective Action Facility
Site Location
Waterbody
County Border
Railroad Tracks
1 Mile Radius
1/2 Mile Radius
1/4 Mile Radius
1/8 Mile Radius
1
0
1/8
1/4
1/2
1
Distance in Miles

Toxics Targeting
1/2 Mile Radius Map

Rikers Island Power Plant

Bronx, NY 11370





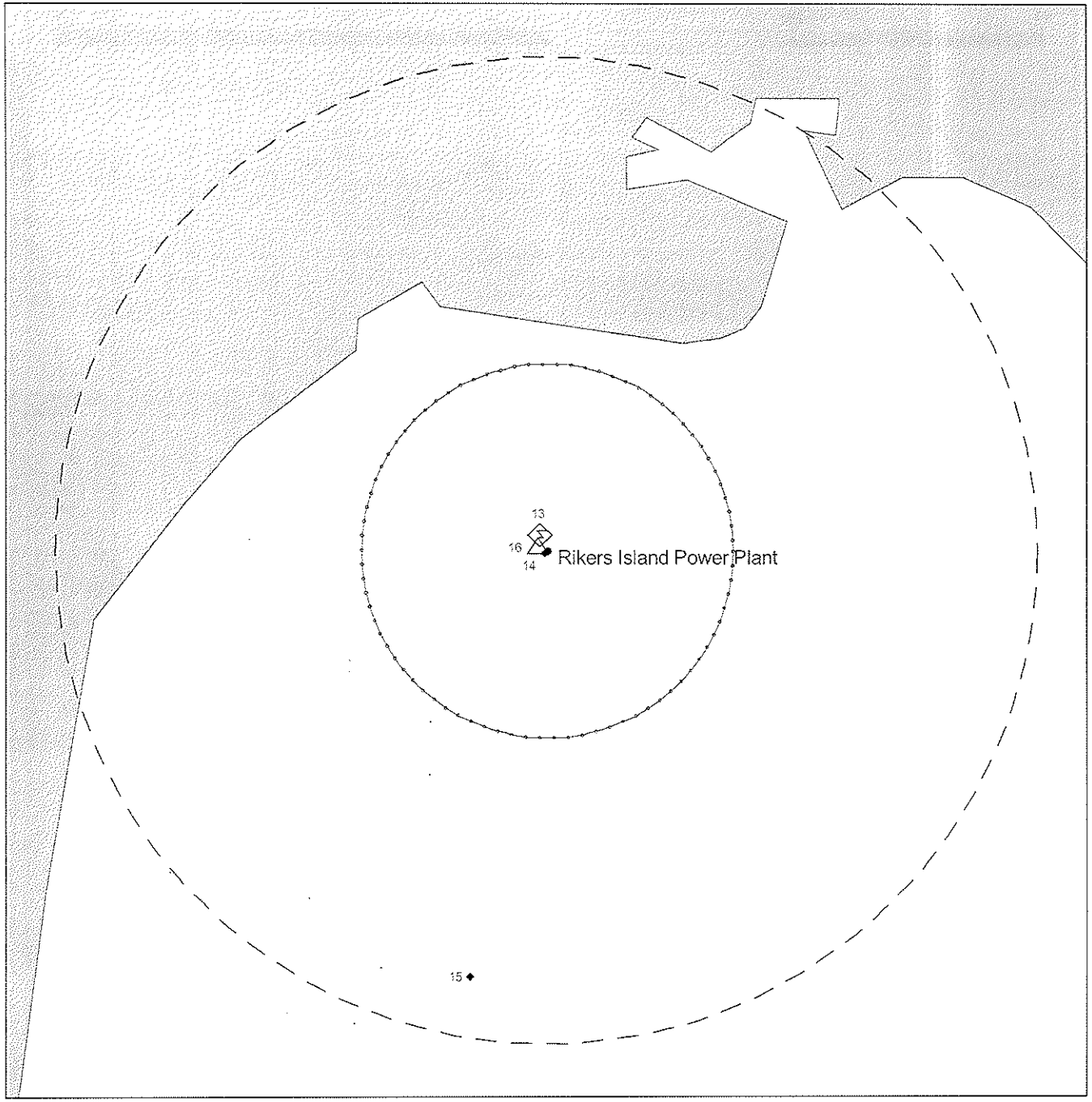
Bronx County

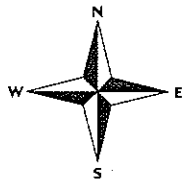
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/8 Mile Radius Map

Rikers Island Power Plant

Bronx, NY 11370





Bronx County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

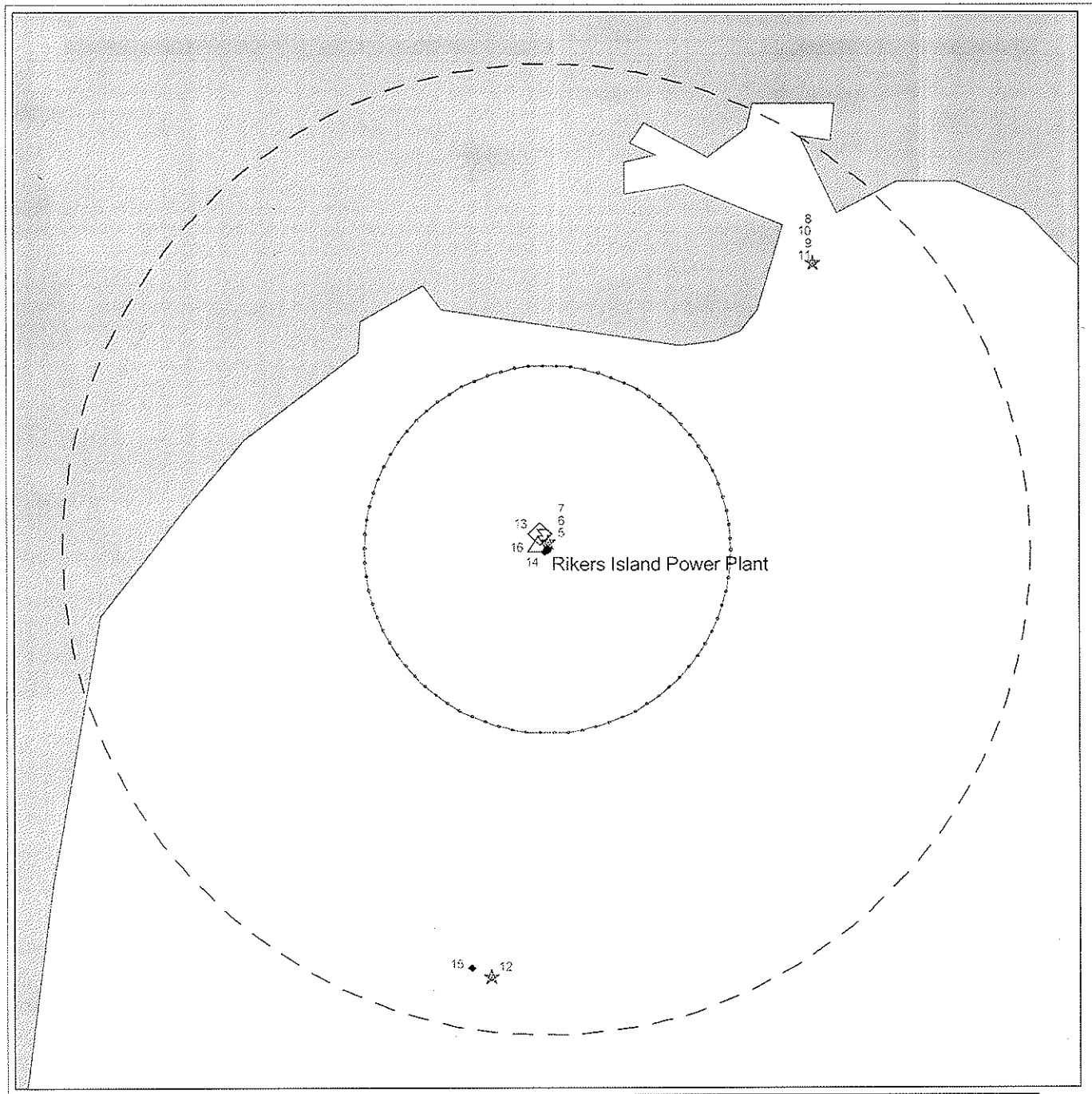
1/8 0 1/16 1/8

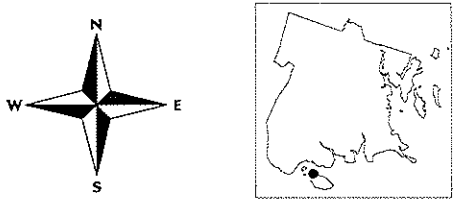
Distance in Miles

Toxics Targeting
1/8 Mile Closeup Map

Rikers Island Power Plant

Bronx, NY 11370





Bronx County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

1/8 | 0 | 1/16 | 1/8

Distance in Miles

* 1 Mile Search Radius

** 1/2 Mile Search Radius

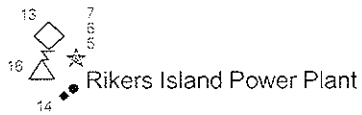
**** 1/8 Mile Search Radius

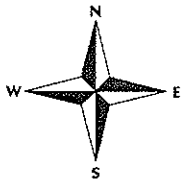
***** Onsite Search (250 Ft)

Toxics Targeting
Tax Parcel Map

Rikers Island Power Plant

Bronx, NY 11370





Bronx County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

Rikers Island Power Plant
Bronx, NY 11370

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
	Site not located on a parcel							
	Site not located on a parcel							

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **NORTH INFERMERY COMMAND** **Spill Number: 9811099** **Close Date:**
1500 HAZEN ST RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1247 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: VSZHUNE

Spiller: KAMAL BHUIYAN - RIKERS ISLAND
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
DIESEL	UNKNOWN	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	8000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

ISOLATION TEST WILL BE DONE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
06/25/04 - Transfered from Tibbe to Rommel.

letter sent 1/27/2006 to obtain more info.

sent strong followup 2/21/06

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **1606 HAZEN** **Spill Number: 0209283** **Close Date:**
1606 HAZEN ST EAST ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2096 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: MARSHA OCONNOR
DEC Investigator: HRPATEL

Spiller: CALLER - 1606 HAZEN ST
Notifier Name:
Caller Agency: NYS DEPT OF CORRECTIONS
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/10/2002		UNKNOWN	2-601484	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING FROM STORAGE TANK. LEAK STOPPED. CLEANUP CREW CONTACTED AND RESPONDING.

DEC Investigator Remarks:

Prior to Sept. 2004 data translation this spill Lead_DEC Field was "ROMMEL"
12/10/02 - 9:35am: Tristate Environmental is on the way for clean up. - 12:00PM: Several 275 ASTs located at west area in Rikers Island. Inventory showed that 100 gal fuel lost in a 48 hour period. Assuming that pipline at one tank behind builging 19 in west area in Rikers Island leaked. Tri-state Lisa Howard (914) 589-8418 states that tri-state will perform a line test to conform the

leak and will contact DEC after the test. jz

1000 GAL AST. 518-402-9543 BOB, TASO.

4/12/04-Vought-Spill transferred from Sangesland to Rommel as per Rommel.

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Patel) for review and closure - end

11/01/06-Hiralkumar Patel. left message for Ms. Oconnor (PH.: 718-546-3090/3091/3092).
11/16/06-Hiralkumar Patel. spoke with Ms. Oconnor. she asked to call Ms. Patricia Feeney (718-546-3090) tomorrow.

12/01/06-Hiralkumar Patel. left message for Ms. Feeney.

12/04/06-Hiralkumar Patel. received call from Ms. Feeney. as per her, tristate did cleanup. she will check her records and will send letter report about cause of release, area impacted and method of cleanup.

12/27/06-Hiralkumar Patel. left message for Ms. Feeney.
03/16/07-Hiralkumar Patel. left message for Ms. Feeney.
06/06/07-Hiralkumar Patel. spoke with Ms. Feeney. she will check her record storage area for any reports.

07/05/07-Hiralkumar Patel. left message for Ms. Feeney.
10/11/07-Hiralkumar Patel. spoke with Ms. Feeney. she mentioned that she has faxed letter in Jan. 2007, but i haven't received any. she will fax letter again.

11/01/07-Hiralkumar Patel. spoke with Ms. Feeney. after initial fax in Jan 2007, they put documents back in storgae and are currently looking for it and will send once gets it.

01/14/08-Hiralkumar Patel. spoke with Mr. Kazi at Ms. Feeney's office. he asked to contact Mr. Geevarughese, who handles this matter.

Mathew Geevarughese
Dept. Director, OSHA
PH. (718) 546-3093/3091 (O)
(347) 386-7060 (C)

spoke with Mathew. he will look for report.

01/22/07-Hiralkumar Patel. received message from Mathew aksing for spill number. left message for Mathew with spill number.
01/31/08-Hiralkumar Patel. spoke with Mathew. he is looking for report.
02/01/08-Hiralkumar Patel. received call from Mathew. he couldn't find any documents. asked him to contact Tristate environment, who responded for cleanup for any documents. if no documents available, then asked him to find source of release and if required schedule site visit with person from Tristate who can show source area. Mathew will call back.

02/04/08-Hiralkumar Patel. received call from Mathew. nobody has any documents regarding oil spill investigation and cleanup. discussed with DEC Austin. he asked for scaled site map with all tank system and vacuum test for each tank system at site. spoke with Mathew and asked him to test each tank system and to provide site map with all tank system locations (including tank, pipings, fill ports, boiler). asked Mathew to mention, on map, about which part aboveground and which is underground.

NO ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.

All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
No dropped spills found for this category			

NO CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 **GEORGE MOTCHIAN DETENTION** **Spill Number: 9811097** **Close Date: 05/11/2006**
15-15 HAZEN ST RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2500 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: JMROMMEL

Spiller: KAMAL BHUIYAN - GEORGE MOTCHIAN DETENTION
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
DIESEL	UNKNOWN	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

UNK WHAT IS GOING TO HAPPEN FROM HERE.POSSIBLE ISOLATION TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
06/25/04 - Transfered from Tibbe to Rommel.

Letter sent 1/27/2006 to obtain more info.

Sent strong followup 2/21/06.

Closure report submitted 4/27/06. No photos, no DEC rep at closure, and no GW data. Low level SVOCs remain- does not meet standards without groudwater data confirmation.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **SOUTH BROTHERS ISLAND** **Spill Number: 9608994** **Close Date: 10/19/1996**
SOUTH BROTHERS ISLAND BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2276 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10474

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: PETIT OFFICER KISIBA
DEC Investigator: O'DOWD

Spiller: UNKNOWN
Notifier Name: COAST GUARD BOAT
Caller Agency: US COAST GUARD
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7937
Contact Person Phone: (212) 668-7937

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/19/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	55.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

unidentified blue plastic 55 gallon container washed up on the shore of brothers island - container is not leaking

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 5 **RIKERS ISLAND POWERHOUSE** **Spill Number: 8808953** **Close Date: 12/04/1992**
16-16 HAZEN STREET EAST ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL) Spiller: ALBERT DEISO - NYC DEPT OF CORRECTION Spiller Phone: (718) 546-1429
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: DONALD CHAMBERLAIN Caller Agency: NYC DEPT OF CORRECTION Caller Phone: (718) 728-4652
DEC Investigator: SIGONA Contact for more spill info: ROBERT MOLLOY Contact Person Phone: (718) 546-1499

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/15/1989	12/04/1992	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

PORTABLE TANK PUNCTURED OR POSSIBLE LEAKING VALVE SPILLED ON DIRT ROADAPPROX 200 GAL CONTAINED WITH SAND & BACKHOE, 2ND SPILL DUE TO BROKEN RETURN OIL LINE,SANDED AREA,TO DISPOSE OF CONTAMINATED SOIL.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

MAJOR ONSHORE FACILITY (MOSF) LICENSE NO. 2-2620. ON-SITE GROUNDWATER MONITORING WELLS MONITORED ON MONTHLY BASIS.

Map Identification Number 6 **INSIDE PPOWER HOUSE-FL 1** **Spill Number: 0202449** **Close Date: 06/06/2002**
16-16 HAZEN ST EAST ELMHURST - RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PATRICIA FEENEY
DEC Investigator: MXTIPPLE

Spiller: INSIDE PPOWER HOUSE-FL 1
Notifier Name: JOHN BIASI
Caller Agency: NEW YORK CITY CORRECTIONS
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/06/2002		EQUIPMENT FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SMALL RUPTURE IN THE FUEL LINE - ALL CONTAINED INSIDE THE FACILITY - CLEAN UP IN PROGRESS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
6/6/2002 4:45PM Approx 3 hours after the spill - Sangesland called Patricia Feeney at NYC Corrections (718-956-8778).

She said there was a 20 gal spill of #2 fuel oil to a basement "contained" area. No floor drains were impacted. Floor has no cracks, no "escape" of product. By 4 PM she said the area was all cleaned up.

Spill Closed

Map Identification Number 7 **POWER HOUSE**
16-16 HAZEN ST

Spill Number: 0109604 **Close Date: 03/10/2003**
EAST ELMHURST - RIKERS ISLAND, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: JOHN MATRONA
DEC Investigator: EXROSSAN

Spiller: JOHN MATRONA - POWER HOUSE
Notifier Name:
Caller Agency: JAMES MCCULLAGH CO
Contact for more spill info: JOHN MATRONA

Spiller Phone: (516) 293-8800
Notifier Phone:
Caller Phone: (516) 293-8800
Contact Person Phone: (516) 293-8800

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/10/2001		HOUSEKEEPING	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER REMOVED 4 UST AND SOIL SAMPLES TAKEN SHOWED CONTAMINATED SOIL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROSSAN"
03/10/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 8 **RIKERS ISLAND**
FUEL OIL LOADING DOCK

Spill Number: 9904187 **Close Date: 07/09/1999**
QUEENS, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Responsible Party
Caller Name: JOHN MARINO
DEC Investigator: WOOLSEY

Spiller: NYC DEPT OF CORRECTIONS
Notifier Name: JOHN MARINO
Caller Agency: NYC DEPT OF CORRECTIONS
Contact for more spill info: JOHN MARINO

Spiller Phone:
Notifier Phone: (718) 546-1499
Caller Phone: (718) 546-1499
Contact Person Phone: (718) 546-1499

Spill Class: NO SPILL OCCURRED;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/09/1999		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

*** DRILL *** DRILL ***

OCC'D WHILE OFF LOADING OIL FROM BARGE AT THE DOCK

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 9 **RIKER'S ISLAND**
1616 HAZAN ST
QUEENS, NY NO ZIP PROVIDED

Spill Number: 9603216 **Close Date: 06/07/1996**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: TANK TRUCK
Notifier Type: Affected Persons
Caller Name: FRANK COLLINS
DEC Investigator: JMKRIMGO

Spiller: JIM CAREY - CASTLE OIL
Notifier Name: FRANK COLLINS
Caller Agency: DEPT OF CORRECTIONS
Contact for more spill info:

Spiller Phone: (718) 579-3413
Notifier Phone: (718) 546-1499
Caller Phone: (718) 546-1499
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/07/1996		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	500.00	GALLONS	500.00	GALLONS	SURFACE WATER

Caller Remarks:

spill on delivery dock (DRILL) - fuel transfer hose broke - cleanup company enroute

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"

Map Identification Number 10 **RIKERS ISLAND DOCK** **Spill Number: 9405373** **Close Date: 07/20/1994**
RIKERS ISLAND DOCK EAST ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: BOB TORPIE
DEC Investigator: KSTANG

Spiller: EKLOF MARINE
Notifier Name:
Caller Agency: DEPT. OF CORRECTIONS
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 546-1499
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/20/1994	07/20/1994	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10000	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

(RUPTURED LINE-WILL CALL OIL POLL. ON DELIVERY BARGE) JUST A DRILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 11 **RIKERS ISLAND** **Spill Number: 9404329** **Close Date: 10/31/2003**
RIKERS ISLAND- FUEL DOCK ELMHURST, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 535 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: FRANK COLLINS
DEC Investigator: JMKRIMGO

Spiller: DEPT OF CORRECTIONS
Notifier Name:
Caller Agency: DEPT OF CORRECTION
Contact for more spill info:

Spiller Phone: (718) 546-1499
Notifier Phone:
Caller Phone: (718) 546-1499
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/28/1994		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

TAING OUT FUEL BY BARGE-RUPTURED FUEL HOSE. CONTAINMENT BOOMS OUT TYREE BROS. ENVIRONMENTAL SERVICE WILL BE NOTIFIED TO CLEAN UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Booms deployed. Tyree performing the cleanup.

10/31/03. No further action possible. Closed out.

Map Identification Number 12 **RIKERS ISLAND OBCC STAT** **Spill Number: 9304269** **Close Date: 12/09/2003**
16-16 HAZEN STREET QUEENS, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 583 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL) Spiller: NYC DGS Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: JOE FAIRCLAUGH Caller Agency: P.T.L. ENVIR. CONSULTANT Caller Phone: (201) 262-4141
DEC Investigator: SIGONA Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/30/1992		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LOOKS LIKE EQUIP OVER THE YRS - SOIL HAS BEEN REMOVED AND STOCK PILED ON SITE - ANTHONY SIGONA IS AWARE OF SITE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

11/29/94: SOIL TO BE REMOVED AND DISPOSED.

10/10/95: This is additional information about material spilled from the translation of the old spill file: 300 CUBIV SOIL.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY

0109600	JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0109601	MOD 10 - AMKC, JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0109603	MAINTENANCE SHOP AMKC	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0306146	ANNA M KROSS CENTER	18-18 HAZEN STREET	RIKERS ISLAND
0202631	ANNA M KROSS CENTER	18-18 HAZEN ST	EAST ELMHURST
0303679	AMKC	1818 HAZEN STREET	QUEENS
0204744	WEST FACILITY	16-06 HAZEN ST	EAST ELMHURST
0011303	RIKERS ISLAND WEST FACILI	16-16 HAZEN STREET	EAST ELMHURST
9502988	SOUTH BROS. ISLAND-RIKERS	SO. BROS. ISLAND/RIKERS	BROOKLYN

OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 13 **RIKERS ISLAND POWER HOUSE** **Facility Id 2-2620**
16-16 HAZEN STREET EAST ELMHURST, NY 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 1616 HAZEN STREET
Revised zip code: NO CHANGE

TANK NUMBER	TANK STATUS	PETROLEUM PRODUCT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
#6 F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
1-#2 F.O	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
1-DIESEL	IN SERVICE	DIESEL	10000	UNDERGROUND	00/00
2-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
2-DIESEL	IN SERVICE	DIESEL	10000	UNDERGROUND	00/00
3-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
3-DIESEL	IN SERVICE	DIESEL	20000	UNDERGROUND	00/00
4-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
4-DIESEL	IN SERVICE	DIESEL	20000	UNDERGROUND	00/00
5-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
6-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	55000	UNDERGROUND	00/00
7-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	34537	UNDERGROUND	00/00
8-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	38802	UNDERGROUND	00/00
9-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	42208	UNDERGROUND	00/00
10-#6F.O.	CLOSED-REMOVED	#5 OR 6 FUEL OIL	44134	UNDERGROUND	00/00
2-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
3-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
4-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
5-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99
6-#2 F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/99

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 14 **RIKERS ISLAND POWERHOUSE** **Facility Id: 2-607229** **Source: NYS DEC**
16-16 HAZEN STREET EAST ELMHURST, NY 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 12/03/2006
Operator Name: JOHN A. BIASI
Operator Phone #: (718) 546-1488
Owner Name:
Owner Company: CITY OF NEW YORK DEPT. OF CORRECTIONS
Owner Type: Local Government
Owner Address: 60 HUDSON STREET, NEW YORK, NY 10013

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1-#2FOU	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
1-DIESEL	Closed - In Place	Diesel	10000	Underground			11/01/2001
2-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
2-DIESEL	Closed - In Place	Diesel	10000	Underground			11/01/2001
3-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
3-DIESEL	Closed - In Place	Diesel	20000	Underground			11/01/2001
4-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
4-DIESEL	Closed - In Place	Diesel	20000	Underground			11/01/2001
5-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
6-#2FO	In Service	#2 Fuel Oil	40000	Underground	08/01/1999		
A41256	In Service	Diesel	20000	Underground	11/01/2001		
A41404	In Service	Diesel	20000	Underground	11/01/2001		
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
1-#2 F.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
2-#2 F.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
3-#2F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
4-#2F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		
5-#2F.O.	IN SERVICE	#1 2 OR 4 FUEL OIL	40000	UNDERGROUND	08/01/1999		

**** TANK INFO CONTINUES ON NEXT PAGE ****

6-#2F.O IN SERVICE #1 2 OR 4 FUEL OIL 40000 UNDERGROUND 08/01/1999

TANK NUMBER: 1-#2FOU
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: Original Sacrificial Anode
PIPING TYPE: Fiberglss Reinforcd Plastic(FRP)
OVERFILL PROTECTION: High Level Alarm
Product Level Gauge (A/G)
TANK TYPE: Fiberglass Reinforced Plastic (FRP)
TANK LEAK DETECTN: Interstitial - Electronic Monitoring
Groundwater Well
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Vault (w/o access)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 1-DIESEL
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: High Level Alarm
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Groundwater Well
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 2-#2FO
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Fiberglss Reinforcd Plastic(FRP)
OVERFILL PROTECTION: High Level Alarm
Product Level Gauge (A/G)
TANK TYPE: Fiberglass Reinforced Plastic (FRP)
TANK LEAK DETECTN: Interstitial - Electronic Monitoring
Groundwater Well
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Double-Walled (Underground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 2-DIESEL
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: High Level Alarm
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Groundwater Well
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 3-#2FO
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Fiberglss Reinforcd Plastic(FRP)
OVERFILL PROTECTION: High Level Alarm
Product Level Gauge (A/G)
TANK TYPE: Fiberglass Reinforced Plastic (FRP)
TANK LEAK DETECTN: Interstitial - Electronic Monitoring
Groundwater Well
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Double-Walled (Underground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 3-DIESEL
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: High Level Alarm
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Groundwater Well
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 4-#2FO
TANK TYPE: Fiberglass Reinforced Plastic (FRP)
TK INT. PROTECTION: None

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	4-DIESEL	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Groundwater Well	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	5-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	6-#2FO	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	A41256	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	A41404	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring Groundwater Well	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	High Level Alarm Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

The following tank data pertains to a tank or tanks that were either deleted from the reported data or the tank number was re-assigned.

TANK NUMBER:	1-#2 F.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	2-#2 F.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	3-#2F.O.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	4-#2F.O.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	5-#2F.O.	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	6-#2F.O	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Concrete Pad w/channels	TK SEC. CONTAINMNT:	Vault
PIPING EXT. PROTECTN:	Sacrificial Anode	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Fiberglass (FRP)	PIPING LOCATION:	Aboveground/Underground Combination		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

Map Identification Number 15 **OTIS BANTUM CORR. CENTER**
16-00 HAZEN STREET
EAST ELMHURST - RIKERS, NY 11370

Facility Id: 2-187720 **Source: NYS DEC**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 579 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 06/05/2007
Operator Name: BOB MOSS
Owner Name: TANVIR AHMAD - PROJECT MANAGER
Owner Company: NYC DEPT OF CORRECTION
Owner Address: 60 HUDSON ST, NEW YORK, NY 10013

Operator Phone #: (718) 546-6475

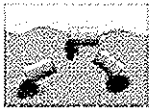
Owner Type: Local Government

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	#2 Fuel Oil	20000	Underground	12/01/1986		07/07/2006
002	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	12/01/1987		
003	In Service	#2 Fuel Oil	25000	Underground	04/01/1993	11/19/2002	
004	In Service	#2 Fuel Oil	25000	Underground	04/01/1993	11/25/2002	

NO HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS



NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 16 **NYC CORRECTIONS-RIKER'S ISLAND POWER HS** **Facility Id: 3600500016** **State-county CDS Id: 3600500016**
16-16 HAZEN STREET FLUSHING, NY 11370 State-county NED id: 36005DC02
EPA (FINDS) Name: RIKERS ISLAND
EPA (FINDS) Address: 14-14 HAZEN STREET BRONX 11370

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

CDS-ID: 00016 NED-ID: DC02 EPA-ID: NYD980289375 FINDS-ID: NYD980289375
Plant Phone #1: None Given Plant Phone #2: (000)374-5694
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING
Regulatory Air Program: NON-FEDERALLY REPORTABLE SOURCE Program Status: OPERATING
Regulatory Air Program: TITLE V PERMITS Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE
Pollutant: TOTAL PARTICULATE MATTER
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
Rikers Island Power Plant
Bronx, NY 11370

* Any ERNS Spills listed below are NOT mapped in this report *

POTENTIALLY ONSITE ERNS:

****

Spill Number (ID): 183765 Spill Date: 10/23/1990

Location: RIKERS ISLAND BRONX
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: FLUSHING BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: NONE

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING

Miscellaneous: SHEEN SIZE 10 FT. X 1/4 MILE. RAINBOW SHEEN.

****

Spill Number (ID): 610176 Spill Date: 01/30/1999

Location: 17-17 HAZEN ST.
Spill City: E. ELMMHURST NY 11370

Material	Quantity	Units	Pounds	Quantity Released	Units	Casno

Spilled	Spilled			in Water	
OIL: DIESEL	15.00	GAL	105.00	15.00	GAL

Potentially Responsible Party (Discharger): RIKERS ISLAND CORRECTION
Discharger Address: 17-17 HAZEN ST.
E. ELMMHURST NY 11370
Dun and Bradstreet Number: Organization Type: STATE GOVERNMENT

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: PAVEMENT > STORM DRAIN > EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: CO. WILL INSTALL CONTAINMENT AT FUEL STATION/ PROBLEM ONGOING UNTIL PROBLEM FIXED

Description: FUELING STATION / NO CONTAINMENT / RELEASED DIESEL ON PAVEMENT > STORM DRAIN > EAST RIVER

Miscellaneous: CALLER HAD NO WEATHER CONDITIONS CALLER HAD NO ADDITIONAL INFORMATION

****

Spill Number (ID): 641437 Spill Date: 08/24/1999

Location: RIKERS ISLAND
Spill City: BRONX NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
MERCURY	2.00	LBS	2.00	0.00	UNK	90958879

Potentially Responsible Party (Discharger): KEYSPAN ENERGY
Discharger Address:
LONG ISLAND NY
Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected:
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: IMPROPER OPERATION Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: RELEASED AT LEAST TWO LBS POSSIBLY MORE/DEP HAS ORDERED RP TO UTILIZE SERVICES OF SRC TO CLEANUP SPILL

Description: BOILER SYSTEM METERS BOILER SYSTEM METERS/RELEASE OCCURRED WHILE BOILERS WERE BEING REMOVED EXCESS DEBRIS WAS THROWN OU TSIDE BUILDING

Miscellaneous: SIZE OF IMPACTED AREA:UNKNOWN TO CALLER

****

Spill Number (ID): 102332 Spill Date: 02/15/1989

Location:
Spill City: NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
DIESEL FUEL	300.00	GAL	2100.00	0.00	UNK	

Potentially Responsible Party (Discharger): RIKER'S ISLAND PENITENTIARY
Discharger Address:
QUEENS NY 11370
Dun and Bradstreet Number: Organization Type: LOCAL GOVERNMENT

Medium(s) Affected:
Air: F Land: T Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: SOIL
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: EXCAVATED CONTAMINATED SOIL,

Description: 2 PORTABLE GENERATOR STORAGE TANKS/ LEAKY VALVE AND BROKEN FUEL LINE

Miscellaneous:

****

Spill Number (ID): 181648 Spill Date: 09/27/1990

Location: RIKERS ISLAND PRISON FCLT BOILER PLANT
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
OIL, FUEL: NO. 6	20.00	GAL	160.00	20.00	GAL	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: MARINE - RELEASED FROM A MARINE VESSEL TO INLAND WATERWAY. (NRC)

Action: BOOM DEPLOYED AROUND VESSEL AND CONTRACTOR HAS BEEN CALLED

Description: SUSPECTED LEAK IN THE BARGE LAURIE B.

Miscellaneous:

****

Spill Number (ID): 324169 Spill Date: 06/01/1993

Location: EAST RIVER BWTN RIKERS ISLAND & COLLEGE PT
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: MSO INVESTIGATORS EN ROUTE TO AREA.

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING SHEEN SIZE: UNKNOWN. STRONG SMELL OF PRODUCT IN THE AIR.

Miscellaneous:

****

Spill Number (ID): 542154 Spill Date: 06/30/1997

Location: RIKERS ISLAND BRIDGE HAZEN ST
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
PAINT	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger): RUST MARINE
Discharger Address:

Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: BOWERY BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: NONE

Description: AN ANONYMOUS CALLER STATES THAT THE COMPANY IS CONDUCTING WORK ON A BRIDGE AND IS DUMPING SAND BLAST GRID,CONRETE AND I
S OVERSPRAYING PAIN

Miscellaneous: THE USCG RECEIVED THIS REPORT AS AN ANONYMOUS CALL / WILL NOTIFY THE NY DEC AND NYC DEP / THE CALLER HAD NO OTHER INF
ORMATION

****

Copyright 2008 Toxics Targeting, Inc. March 26, 2008 'Rikers Island Power Plant'

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D03	CONRAIL OAK POINT YARD			10474
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0208155	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	RIKERS ISLAND	11370

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9913747	RIKERS ISLAND	10-10 HAZEN ST	EAST ELMHURST	11370
0010058	BY GERNERATOR 60	MANDINICI RD	RIKERS ISLAND	11370

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9409348	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX	11370

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9506254	GUN HILL DEPOT	GUN HILL DEPOT	BRONX	10469
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN
0610526	BASEMENT TANK ROOM	EASTERN BLVD DRAW BRIDGE	BRONX	UNKNOWN
0208209		1616 HAZEN ST	QUEENS	11370

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
8909328	EAST RIVER/QUEENS	EAST RIVER	ASTORIA	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9806747	LONG ISLAND SOUND	NEAR THRONGS NECK BRIDGE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611168	6 TO 6 1/2 MILES NORTHEAS	T OF LAGUARDIA AIRPORT	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9311823	EAST RIVER WHITE STONE BR	EAST RIVER WHITE STONE BR	BRONX	10465
8602725	DIESEL ODOR, BRONX	BETWEEN THROGS NECK BRIDG	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN

0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0507728	LONG ISLAND SOUND	LONG ISLAND SOUND	BRONX	UNKNOWN
0410985	LONG ISLAND SOUND	WEST OF THROGSNECKS BRIDG	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0407227	EAST RIVER (ROCKS/WATER)	SUNSET TRAIL/EXPWY	BRONX	UNKNOWN
0200100	EAST RIVER	WHITESTONE BRIDGE	BRONX	UNKNOWN
0101368	HUNTSPOINT REGULATOR #11	NONE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
0004934	VAULT 2052	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
9503263	FLUSHING BAY	FLUSHING BAY	COLLEGE POINT	UNKNOWN
9912728	RIKERS ISLAND	18-18 HAZEN ST	EAST ELMHURST	11370
0706767	ON A ROAD	17-17 HAZEN ST	EAST ELMHURST	11370
0613345	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	EAST ELMHURST	11370
9411422	UNK	1616 HAZEN ST	ELMHURST	11370
0308573	RYKERS ISLAND	RYKERS ISLAND	ELMHURST	11370
8504087	UNKNOWN	UNKNOWN	FLUSHING	UNKNOWN
0204522	EXACT AREA UNKNOWN	FLUSHING BAY	FLUSHING	UNKNOWN
9708436	BARGE	NORTH TIP RIKERS ISLAND	NASSAU	11370
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
8807936	EAST RIVER/ASTORIA/QUEENS	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
0211535	FLUSHING BAY	UNKNOWN ST FLUSHING BAY	NEW YORK CITY	UNKNOWN
9809115	RIKERS ISLAND PRISON	16-16 HAZEN ST	QUEENS	11370
9709506	RIKERS ISLAND	RIKERS ISLAND	QUEENS	11370
9513153	BUOY 18 EAST RIVER	BUOY 18 EAST RIVER	QUEENS	UNKNOWN
9315581	EAST OF BOUY #9	EAST OF BOUY #9	QUEENS	UNKNOWN
9312485	BACELLENA PT. LIGHT #7.	BACELLENA PT. LIGHT #7.	QUEENS	UNKNOWN
9312321	1414 HAZEN ST.	1414 HAZEN ST.	QUEENS	11370
9302750	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	QUEENS	11370
9206327	DOCK FOR COMMUTER III	DOCK FOR COMMUTER III	QUEENS	UNKNOWN
9204759	BASIN AND JAMAICA BAY	BASIN AND JAMAICA BAY	QUEENS	UNKNOWN
8906104	BOWERY BAY OFF EAST RIVER	BOWERY BAY OFF EAST RIVER	QUEENS	11370
8503213	FLUSHING QUEENS	FLUSHING QUEENS	QUEENS	UNKNOWN
8502975	UNKNOWN	ASTORIA	QUEENS	UNKNOWN
0703139	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	QUEENS	11370
0402446	CLEARVIEW PUMP STATION	CLEARVIEW PUMP STATION	QUEENS	UNKNOWN
0311257	VAULT V3292	RIKERS ISLAND SHELTER C95	QUEENS	11370
0310273	614 OPPOSITE 26 FLUSHING	614 OPPOSITE 26 FLUSHINGS	QUEENS	UNKNOWN
0300613	FLUSHING BAY	VORTEX BUILDING	QUEENS	UNKNOWN
0206290	FLUSHING BAY	N OF PORPOISE BRIDGE	QUEENS	UNKNOWN
0204721	FLUSHING BAY	UNK'	QUEENS	UNKNOWN
0106536	0	FLUSHING CREEK	QUEENS	UNKNOWN
0009995	RIKERS ISLAND	MANDINISI RD	QUEENS	11370
0006269	RIVER	EAST RIVER	QUEENS	UNKNOWN
0004027	UNDER THROGS NECK BRIDGE	12TH AVE THROGS NECK BRDG	QUEENS	UNKNOWN
0003912	UNDER THROGS NECK BRIDGE	12TH AVE THROGS NECK BR	QUEENS	UNKNOWN
8603213	BETWEEN TNK&WSTN BRS	BETWEEN TNK&WSTN BRS	WHITESTONE	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9509775	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA	11370
9307306	1717 HAZEN STREET	1717 HAZEN STREET	ASTORIA	11370
9303558	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	ASTORIA	11370
9007039	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA	11370
8904358	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA	11370
9911775	ON 181ST ST	IFO WEST GATE HOUSE	BRONX	UNKNOWN
9905504		GUN HILL RD & BUSSING AVE	BRONX	UNKNOWN
9810375	SUNY MARITIME	HANUS STREET	BRONX	UNKNOWN

9701192	RYKERS ISLAND/ BRONX	PRISON	BRONX	11370
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
9200564	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX	11370
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0710690	STREET	NORTH ON ROSNECK BRIDGE	BRONX	UNKNOWN
0612658	SADDLE TANK	THROGSNECK BRIDGE	BRONX	UNKNOWN
0602583	APARTMENT BUILDING	5775 MARSHALL LEW AVE	BRONX	UNKNOWN
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0300375	EAST RIVER	W/ OF THROGS NECK BRIDGE	BRONX	UNKNOWN
0006606	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX	11370
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
9812448	RIKER'S ISLAND	16-16 HAZEN STREET	EAST ELMHURST	11370
9614298	16-16 HAZEN ST	16-16 HAZEN STREET	EAST ELMHURST	11370
9614190	RIKERS ISLAND PRISON	16-16 HAZEN STREET	EAST ELMHURST	11370
9202698	1717 HAZEN ST/CORRECTIONS	1717 HAZEN ST/TRANS GARAG	EAST ELMHURST	11370
9112722	RYKER'S ISLAND/M O # 5	RYKER'S ISLAND/M O # 5	EAST ELMHURST	11370
9107451	17-17 HAZEN ST/RIKERS IS	17-17 HAZEN ST	EAST ELMHURST	11370
9107119	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	EAST ELMHURST	11370
0305756	ON RIKERS ISLAND	10-10 HAZEN ST	EAST ELMHURST	11370
0109436	NYC DEP OF CORRECTIONS	RIKERS ISLAND	EAST ELMHURST	11370
0108077	RIKERS ISLAND - WEST FAC.	16-16 HAZEN STREET	EAST ELMHURST	11370
0100415	RYKERS ISLAND	16-06 HAZEN ST	EAST ELMHURST	11370
0002465	RIKERS ISLAND	1919 HAZEN ST	EAST ELMHURST	11370
9206497	STADIUM ROAD	STADIUM ROAD	FLUSHING	UNKNOWN
0209906	RIKERS ISLAND SOUTH PUMP	RIKERS ISLAND	MANHATTAN	11370
9906377	RIKERS ISLAND N	PUMPING STATION	NEW YORK	11370
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9006498	RIKERS ISLAND/EAST RIVER	RIKERS ISLAND	NEW YORK CITY	11370
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN
8904750	BYPASS/RIKERS ISLAND NO	RIKERS ISLAND NORTH	NEW YORK CITY	11370
8904749	RIKERS ISLAND/PUMP STA	RIKERS ISLAND PUMP STA	NEW YORK CITY	11370
8806179	NY POWER AUTHORITY BLDG	EAST RIVER	NEW YORK CITY	UNKNOWN
8803726	EAST RIVER/QUEENS/TTLI	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
8802706	VICKERS NORTH PUMP STA	VICKERS NORTH PUMP STA	NEW YORK CITY	11370
8605993	RIKERS ISLAND. QUEENS/DRA	RIKERS ISLAND CORRECTDEP	NEW YORK CITY	11370
9906197	RIKERS ISLAND	RIKERS ISLAND	QUEENS	11370
9703881	RIKER'S ISLAND BRIDGE	HAZAN ST	QUEENS	11370
9606424	RIKERS ISLANDS PRISON	RIKERS ISLAND	QUEENS	11370
9507970	EAST RIVER AT COLLEGE PT	POWELL COVE	QUEENS	UNKNOWN
9506538	RIKERS ISLAND	HAZEN STREET	QUEENS	11370
9501753	17-17 HAVE STREET	17-17 HAVE STREET	QUEENS	11370
9308640	RYKERS IS. PLANT E. RIVER	RYKERS IS. PLANT E. RIVER	QUEENS	11370
9300011	RIKERS ISLAND	16-16 HAZEN STREET	QUEENS	11370
9204621	RIKERS ISLAND FACILITY	16-16 HAZEN STREET	QUEENS	11370
9200260	SANDY HOOK/L I SOUND	SANDY HOOK/L I SOUND	QUEENS	UNKNOWN
9111356	1717 HAZEN ST	1717 HAZEN ST	QUEENS	11370
9111296	RIKERS ISLAND NORTH	RIKERS ISLAND NORTH	QUEENS	11370
9109545	RIKER'S ISLAND PUMP STA	RIKER'S ISLAND PUMP STA	QUEENS	11370
9109275	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	QUEENS	11370
9109222	RIKER'S ISLAND NORTH PUMP	RIKER'S ISLAND NORTH PUMP	QUEENS	11370
9105085	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	QUEENS	11370
0709842	RIKERS ISLAND SO PUMP STA	RICKERS ISLAND	QUEENS	11370
0509498	BOWERY BAY	HIGH LEVEL REGULATOR 28	QUEENS	UNKNOWN
0108661	FRANCIS R BUONO BRIDGE	HAZEN STREET	QUEENS	11370
9906629	RIKERS ISLAND PRISON	16-16 HAZEN ST	RIKERS ISLAND	11370
9808977	NYC DEPT.OF CORECTIONS	1917 HAZEN ST	RIKERS ISLAND	11370
9309202	17-17 HAZEN STREET	17-17 HAZEN STREET	RIKERS ISLAND	11370
9111801	RIKER'S ISLAND N STATION	PIKERS ISLAND N PUMP ST	RIKERS ISLAND	11370

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-187798	RIKERS ISLAND AUTO SERVICE	17-17 HAZEN STREET	EAST ELMHURST	11370
2-187739	NYC CORR INSTN FOR MEN	10-10 HAZEN STREET	**********	11370
2-187771	RIKERS ISLAND BAKERY	16-16 HAZEN STREET	**********	11370
2-601485	TELECOMMUNICATIONS BUILDING	14-12 HAZEN STREET	**********	11370
2-482501	AIDS MODULAR BUILDING, R.I.	8-08 HAZEN STREET	RIKERS ISLAND	11370

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYD981080369	NEW YORK CITY DEPT OF DESIGN & CONSTRUCT	1616 HAZEN ST	EAST ELMHURST	11370
NYD981487770	NYC CORRECTIONAL INSTITUTION FOR MEN	10-10 HAZEN ST	EAST ELMHURST	11370
NYD981487796	NYC NORTH FACILITY	16-00 HAZEN ST	EAST ELMHURST	11370
NYP004033817	CONSOLIDATED EDISON	V2641-RIKERS ISLAND	NEW YORK	11370
NYP004039327	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNO
NYP004051017	CONSOLIDATED EDISON	V4130-RIKERS ISLAND	NEW YORK	11370
NYP004051538	CONSOLIDATED EDISON	V4119-RIKERS ISLAND	QUEENS	11370
NYP004057592	CONSOLIDATED EDISON	MH26587	BRONX	UNKNOWN
NYP004070231	CONSOLIDATED EDISON	RED OAK	WESTCHESTER	UNKNOWN
NYP004087912	CONSOLIDATED EDISON	2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON	185 W321 ST MH8989	BRONX	UNKNOWN
NYP004120366	CONSOLIDATED EDISON	MH132	NEW YORK	UNKNOWN
NYP004127148	CONSOLIDATED EDISON	SCHWARTZ AVE	EAST CHESTER	UNKNOWN
NYP004128936	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON	?	BRONX	UNKNOWN
NY0000181412	NYSDOT	RIKER ISLAND BRIDGE	NEW YORK	11370
NYD981487713	NEW YORK STATE DEPT OF CORRECTIONS	RIKERS H D M 14-14 HAZEN ST	E ELMHURST	11370
NYD981487721	NEW YORK STATE DEPARTMENT OF CORRECTIONS	16-16 HAZEN STREET	EAST ELMHURST	11370
NYD981487754	NEW YORK CITY CORRECTIONAL INSTITUTE FOR	WOMEN - 15-15 HAZEN STREET	EAST ELMHURST	11370
NYD981487762	NEW YORK CITY DEPT OF CORRECTIONS	RICKERS ISLAND 17-17 HAZEN ST	QUEENS	11370
NYD986913994	NYCDOC - NURSERY BEACON	SHORE RD	EAST ELMHURST	UNKNOWN
NYP004001756	CONSOLIDATED EDISON	EAST RIVER	QUEENS	UNKNOWN
NYP004055513	CONSOLIDATED EDISON	V2419-RIKERS ISLAND	NEW YORK	11370
NYP004062279	CONSOLIDATED EDISON	V6044-RIKERS ISLAND	QUEENS	11370
NYP004082848	CONSOLIDATED EDISON	V4164 1900 HAZEN ST RIKERS ISL	QUEENS	11370

Hazardous Substance Waste Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0079	RIKERS ISLAND	16-16 HAZEN STREET	RIKERS ISLAND	11370

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYU900122	RIKERS ISLAND CORRECTIONS			11370
NYU990002	RIKERS ISLAND PRISON			11370

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3600500159	FAA-VOR/LAGUARDIA		RIKERS ISLAND	BRONX	11370
3608100750	NYC DEPT OF CORRECTIONS		RYKERS ISLAND	ELMHURST	11370
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 3/4/2008. Data obtained by Toxics Targeting: 3/4/2008.
New Facilities updated through: 3/4/2008. Data obtained by Toxics Targeting: 3/4/2008.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.
New Facilities updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 02/05/2008.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 02/05/2008 New spills through: 02/05/2008

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002.**
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002.**
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 10/29/2007. Data obtained by Toxics Targeting: 11/08/2007

20) **New York City Fire Department Tank Data**.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

Toxics Targeting Environmental Report

Rikers Island - Proposed Substation
Bronx, NY 11370

June 03, 2008

Privileged and Confidential.

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

Introduction 1

- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

Section One: Your Report Summary 6

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close-up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

© Toxics Targeting, Inc. 2008

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

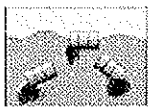
- Check Table Three to see identified sites ranked by proximity to the target address.

- Check Table Four to see identified sites sorted by site categories.

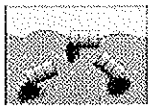
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

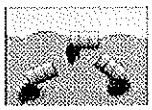
Search Radius

One-Mile 

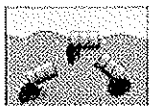
1) ***National Priority List for Federal Superfund Cleanup:*** a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites:*** a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

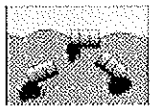
3) ***New York Inactive Hazardous Waste Disposal Site Registry:*** a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

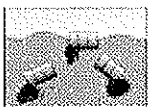
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying:*** a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

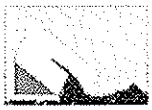
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites:*** a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry:*** active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile

10) ***New York City 1934 Solid Waste Sites:*** a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

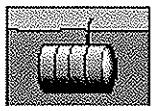
Half-Mile

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

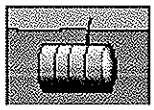
- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile

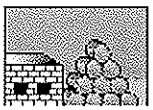
13) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile 

14) ***New York State Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

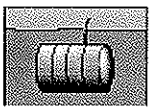
Eighth-Mile 

15) ***New York City Fire Dept Tank Data:*** tank data from 1997.

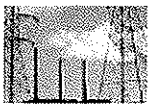
Eighth-Mile 

16) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile 

17) ***New York Chemical Bulk Storage Facilities:*** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile 

18) ***Historic New York City Utility Sites (1890's to 1940's):*** power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile

19) ***New York Hazardous Substance Disposal Site Draft Study:*** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile

20) ***Federal Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile

21) ***Federal Air Discharges:*** air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile

23) ***Federal Civil and Administrative Enforcement Docket:*** judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft)

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites:*** parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only

25) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites By Category*
- *Table Four:* *Identified Toxic Sites By Proximity*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Eighth-Mile Radius Map*
- *Map Four:* *Eighth-Mile Radius Close up Map*
- *Map Five:* *Tax Parcel Map*
- *Table Five:* *Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	1	Not searched	1
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	0	1	1	Not searched	2
Active Spills - Unknown / Other Causes	0	0	1	2	Not searched	3
Active Spills - Miscellaneous Causes	0	0	0(1)	1(1)	Not searched	1(2)
Closed Tank Failures	0	0	0	1	Not searched	1
Closed Tank Test Failures	0	0	0	1	Not searched	1
Closed Spills - Unknown / Other Causes	0	0	7	8	Not searched	15
Closed Spills - Miscellaneous Causes	0	1	2(14)	6(34)	Not searched	9(48)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
RCRA Hazardous Waste Generators & Transporters	0	0	Not searched	Not searched	Not searched	0
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**0**	**1**	**11(15)**	**21(35)**	**0**	**33(50)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	1	Not searched	1
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	0	Not searched	Not searched	Not searched	0
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**0**	**0**	**0**	**1**	**Not Searched**	**1**
Distance Interval Totals	***0***	***1***	***11(15)***	***22(35)***	***0***	***34(50)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

Rikers Island - Proposed Substation
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

No sites found less than 100 feet from subject property

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
25	FRANCIS R BUONO BRIDGE	HAZEN STREET	417 feet to the S	Closed Status Spill (Misc. Spill Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
4	RIKERS ISLAND	10-10 HAZEN ST	1315 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
11	RIKERS ISLAND	18-18 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
12	RIKERS ISLAND PRISON	16-16 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
13	BARGE	NORTH TIP RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
14	ON A ROAD	17-17 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
15	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
16	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
26	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
27	NYC DEP OF CORRECTIONS	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
5	BY GERNERATOR 60	MANDINICI RD	1342 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
8		1616 HAZEN ST	1342 feet to the NNE	Closed Status Tank Failure
17	RIKERS ISLAND	RIKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
18	UNK	1616 HAZEN ST	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
19	1414 HAZEN ST.	1414 HAZEN ST.	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
20	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
21	VAULT V3292	RIKERS ISLAND SHELTER C95	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
22	RYKERS ISLAND	RYKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
23	RIKERS ISLAND	MANDINISI RD	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
28	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
29	RYKER'S ISLAND/M O # 5	RYKER'S ISLAND/M O # 5	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
30	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
31	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
32	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
33	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
9	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	1828 feet to the NNE	Closed Status Tank Test Failure
10	ARDC CENTER	1111 HAZEN ST	808 feet to the NE	Closed Status Spill (Unk/Other Cause)
2	ADOLESCENT DETENTION CENT	11-11 HAZEN STREET	842 feet to the NE	Active Tank Test Failure

1	RIKERS ISLAND	RIKERS ISLAND	2293 feet to the NE	CERCLIS Superfund NFRAP Site
34	RIKERS ISLAND	16-16 HAZEN STREET	2293 feet to the NE	Hazardous Substance Waste Disposal Site
7	ROSE M SINGER CNT	RIKERS ISLAND	2603 feet to the NE	Active Haz Spill (Misc. Spill Cause)
24	RIKERS ISLAND	ROSE M SINGER CENTER	2610 feet to the NE	Closed Status Spill (Unk/Other Cause)
3	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	2007 feet to the SSW	Active Tank Test Failure
6	1606 HAZEN	1606 HAZEN ST	2033 feet to the NW	Active Haz Spill (Unknown/Other Cause)

Identified Toxic Sites by Category

Rikers Island - Proposed Substation
Bronx, NY 11370

* Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS Superfund NFRAP Sites -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	NYD980289375	RIKERS ISLAND	RIKERS ISLAND	2293 feet to the NE

Active Tank Test Failures -- Total Sites - 2 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	9811098	ADOLESCENT DETENTION CENT	11-11 HAZEN STREET	842 feet to the NE
3	0208155	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	2007 feet to the SSW

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 3 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	9913747	RIKERS ISLAND	10-10 HAZEN ST	1315 feet to the NNE
5	0010058	BY GERNERATOR 60	MANDINICI RD	1342 feet to the NNE
6	0209283	1606 HAZEN	1606 HAZEN ST	2033 feet to the NW

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
7	0002268	ROSE M SINGER CNT	RIKERS ISLAND	2603 feet to the NE

Closed Status Tank Failures -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
8	0208209		1616 HAZEN ST	1342 feet to the NNE

Closed Status Tank Test Failures -- Total Sites - 1 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
9	9811097	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	1828 feet to the NNE

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 15 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
10	0606019	ARDC CENTER	1111 HAZEN ST	808 feet to the NE
11	9912728	RIKERS ISLAND	18-18 HAZEN ST	1315 feet to the NNE
12	9809115	RIKERS ISLAND PRISON	16-16 HAZEN ST	1315 feet to the NNE
13	9708436	BARGE	NORTH TIP RIKERS ISLAND	1315 feet to the NNE
14	0706767	ON A ROAD	17-17 HAZEN ST	1315 feet to the NNE
15	0703139	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	1315 feet to the NNE
16	0613345	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	1315 feet to the NNE
17	9709506	RIKERS ISLAND	RIKERS ISLAND	1342 feet to the NNE
18	9411422	UNK	1616 HAZEN ST	1342 feet to the NNE
19	9312321	1414 HAZEN ST.	1414 HAZEN ST.	1342 feet to the NNE
20	9302750	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	1342 feet to the NNE
21	0311257	VAULT V3292	RIKERS ISLAND SHELTER C95	1342 feet to the NNE
22	0308573	RYKERS ISLAND	RYKERS ISLAND	1342 feet to the NNE
23	0009995	RIKERS ISLAND	MANDINISI RD	1342 feet to the NNE
24	9801252	RIKERS ISLAND	ROSE M SINGER CENTER	2610 feet to the NE

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 9 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
25	0108661	FRANCIS R BUONO BRIDGE	HAZEN STREET	417 feet to the S

26	8904358	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1315 feet to the NNE
27	0109436	NYC DEP OF CORRECTIONS	RIKERS ISLAND	1315 feet to the NNE
28	9200564	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	1342 feet to the NNE
29	9112722	RYKER'S ISLAND/M O # 5	RYKER'S ISLAND/M O # 5	1342 feet to the NNE
30	9109275	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	1342 feet to the NNE
31	9107119	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	1342 feet to the NNE
32	9105085	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	1342 feet to the NNE
33	9007039	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1342 feet to the NNE

Hazardous Substance Waste Disposal Sites -- Total Sites - 1 **Database searched at 1/2 MILE - Non-ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
34		RIKERS ISLAND	16-16 HAZEN STREET	2293 feet to the NE

Identified Toxic Sites by Proximity

Rikers Island - Proposed Substation, Bronx, NY 11370

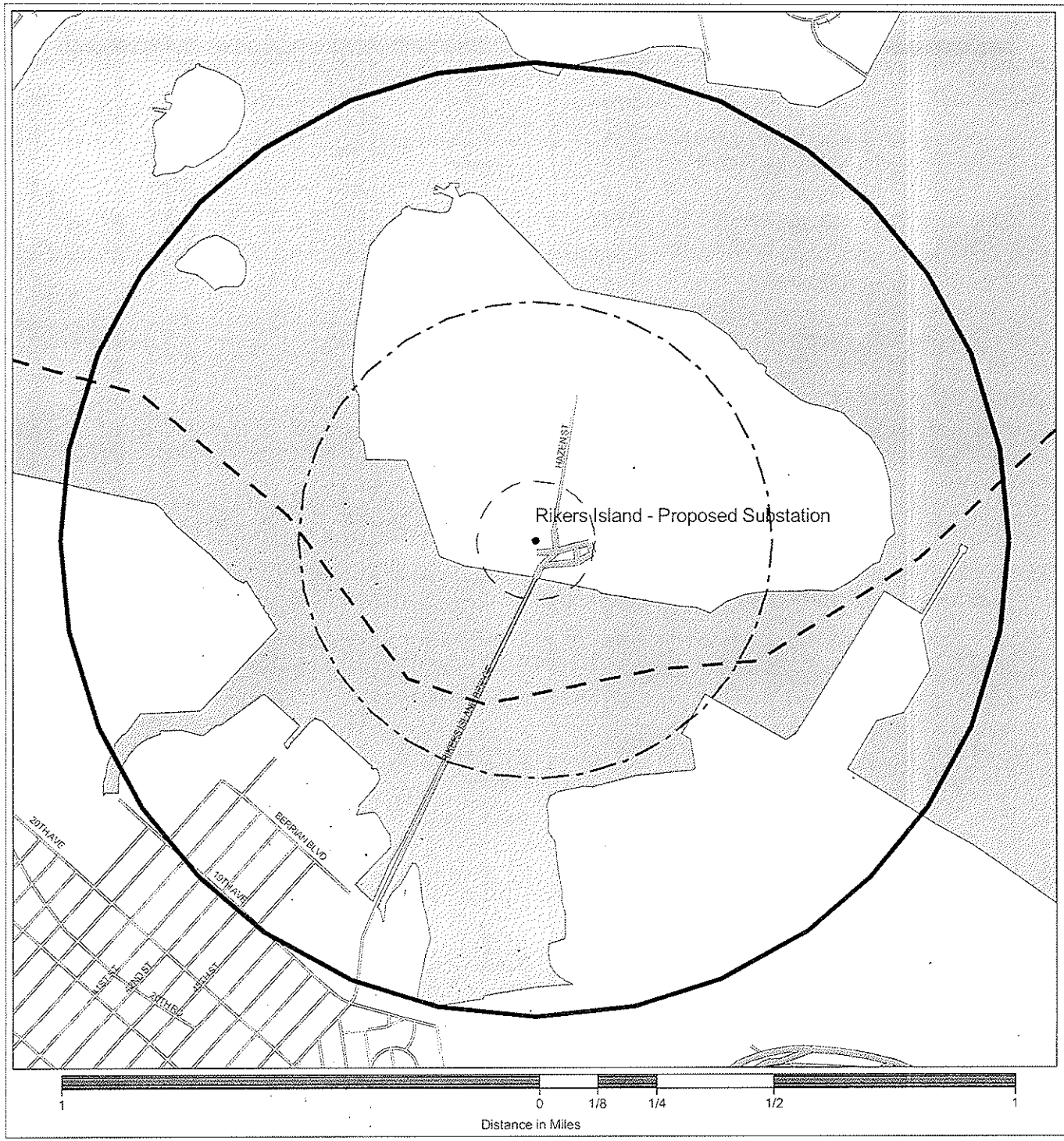
* Compass directions can vary substantially for sites located very close to the subject property address.

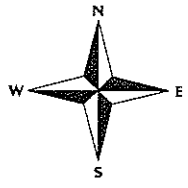
Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
25	FRANCIS R BUONO BRIDGE	HAZEN STREET	417 feet to the S	Closed Status Spill (Misc. Spill Cause)
10	ARDC CENTER	1111 HAZEN ST	808 feet to the NE	Closed Status Spill (Unk/Other Cause)
2	ADOLESCENT DETENTION CENT	11-11 HAZEN STREET	842 feet to the NE	Active Tank Test Failure
4	RIKERS ISLAND	10-10 HAZEN ST	1315 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
11	RIKERS ISLAND	18-18 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
12	RIKERS ISLAND PRISON	16-16 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
13	BARGE	NORTH TIP RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
14	ON A ROAD	17-17 HAZEN ST	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
15	ROADWAY / RIKERS ISLAND	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
16	NYC SUPPORT SERVICE CENTE	1616 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Unk/Other Cause)
26	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
27	NYC DEP OF CORRECTIONS	RIKERS ISLAND	1315 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
5	BY GERNERATOR 60	MANDINICI RD	1342 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
8		1616 HAZEN ST	1342 feet to the NNE	Closed Status Tank Failure
17	RIKERS ISLAND	RIKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
18	UNK	1616 HAZEN ST	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
19	1414 HAZEN ST.	1414 HAZEN ST.	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
20	RIKERS ISLAND &COLLEGE PT	RIKERS ISLAND &COLLEGE PT	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
21	VAULT V3292	RIKERS ISLAND SHELTER C95	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
22	RYKERS ISLAND	RYKERS ISLAND	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
23	RIKERS ISLAND	MANDINISI RD	1342 feet to the NNE	Closed Status Spill (Unk/Other Cause)
28	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
29	RYKER'S ISLAND/M O # 5	RYKER'S ISLAND/M O # 5	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
30	RIKERS ISLAND CORRECTION	RIKERS ISLAND CORRECTION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
31	1616 HAZEN ST/RYKERS ISL	1616 HAZEN ST/RYKERS ISL	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
32	RIKERS IS. N PUMP STATION	RIKERS IS. N PUMP STATION	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
33	RIKERS ISLAND PRISON	16-16 HAZEN STREET	1342 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
9	GEORGE MOTCHIAN DETENTION	15-15 HAZEN ST	1828 feet to the NNE	Closed Status Tank Test Failure
3	NEW YORK CITY CORRECTIONS	RIKERS ISLAND BRIDGE	2007 feet to the SSW	Active Tank Test Failure
6	1606 HAZEN	1606 HAZEN ST	2033 feet to the NW	Active Haz Spill (Unknown/Other Cause)
1	RIKERS ISLAND	RIKERS ISLAND	2293 feet to the NE	CERCLIS Superfund NFRAP Site
34	RIKERS ISLAND	16-16 HAZEN STREET	2293 feet to the NE	Hazardous Substance Waste Disposal Site
7	ROSE M SINGER CNT	RIKERS ISLAND	2603 feet to the NE	Active Haz Spill (Misc. Spill Cause)
24	RIKERS ISLAND	ROSE M SINGER CENTER	2610 feet to the NE	Closed Status Spill (Unk/Other Cause)

Toxics Targeting
1 Mile Radius Map

Rikers Island - Proposed Substation

Bronx, NY 11370





Bronx County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

Railroad Tracks

1 Mile Radius

1/2 Mile Radius

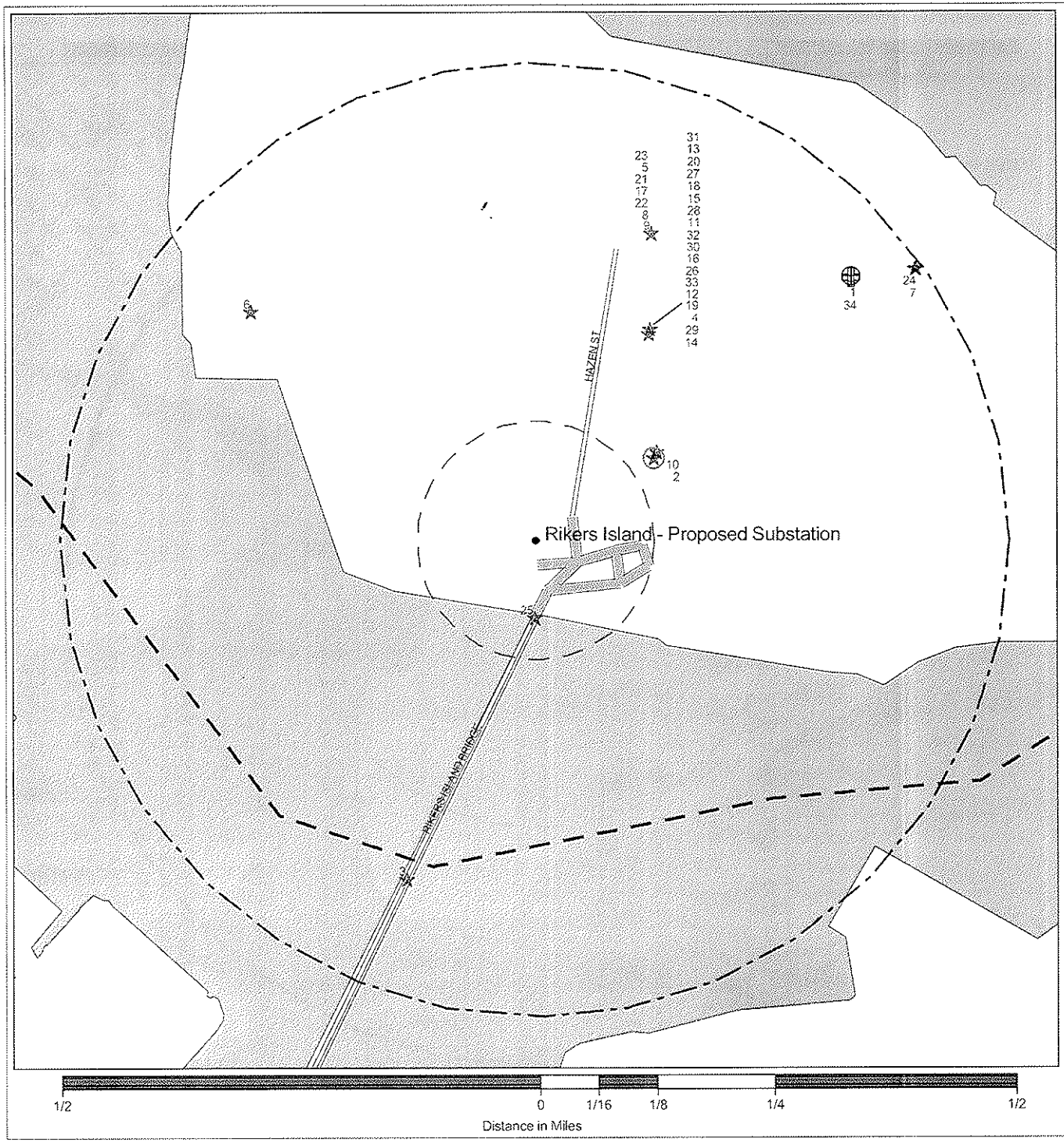
1/4 Mile Radius

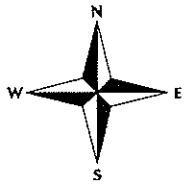
1/8 Mile Radius

Toxics Targeting
1/2 Mile Radius Map

Rikers Island - Proposed Substation

Bronx, NY 11370





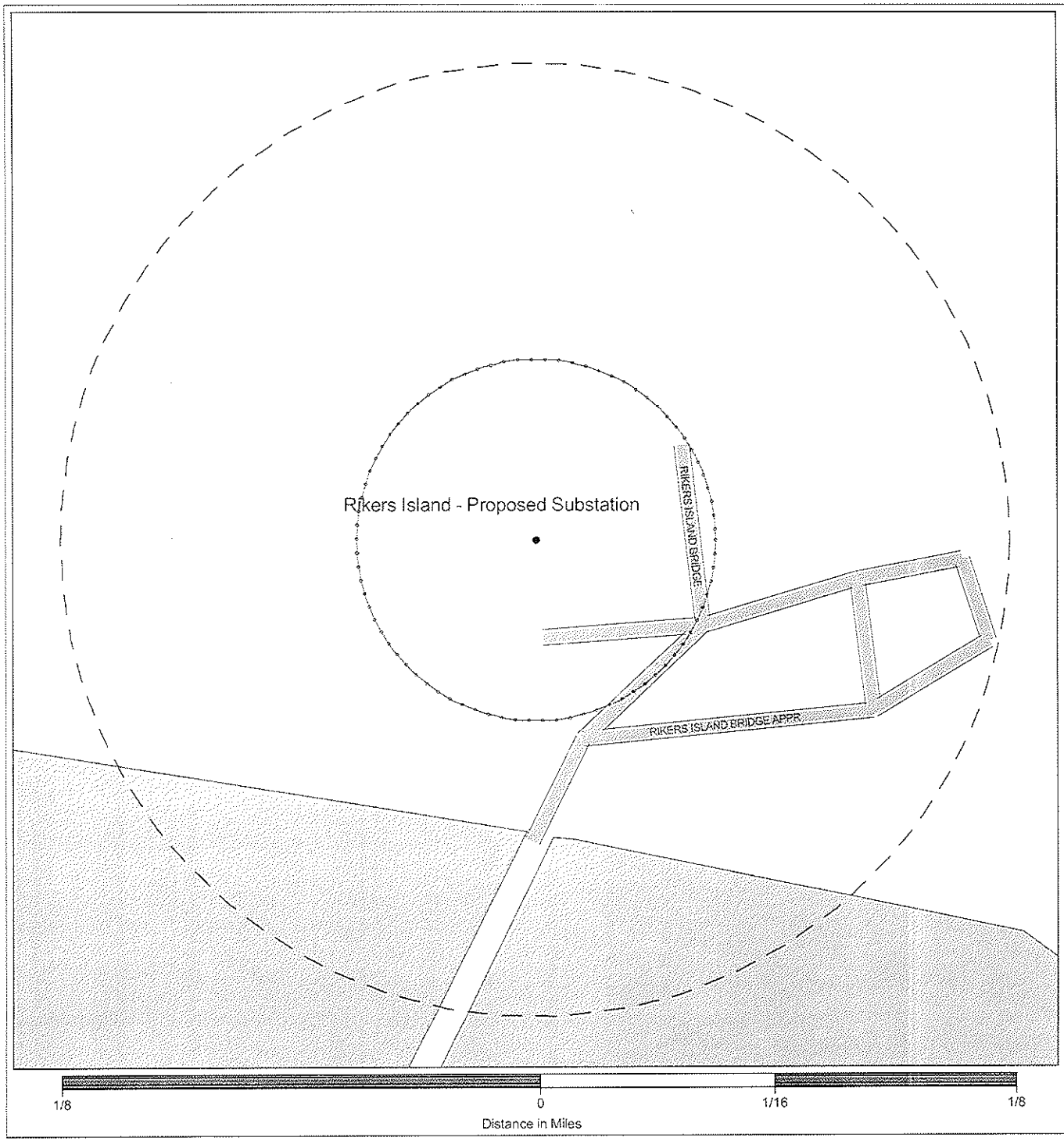
Bronx County

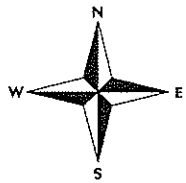
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/8 Mile Radius Map

Rikers Island - Proposed Substation

Bronx, NY 11370



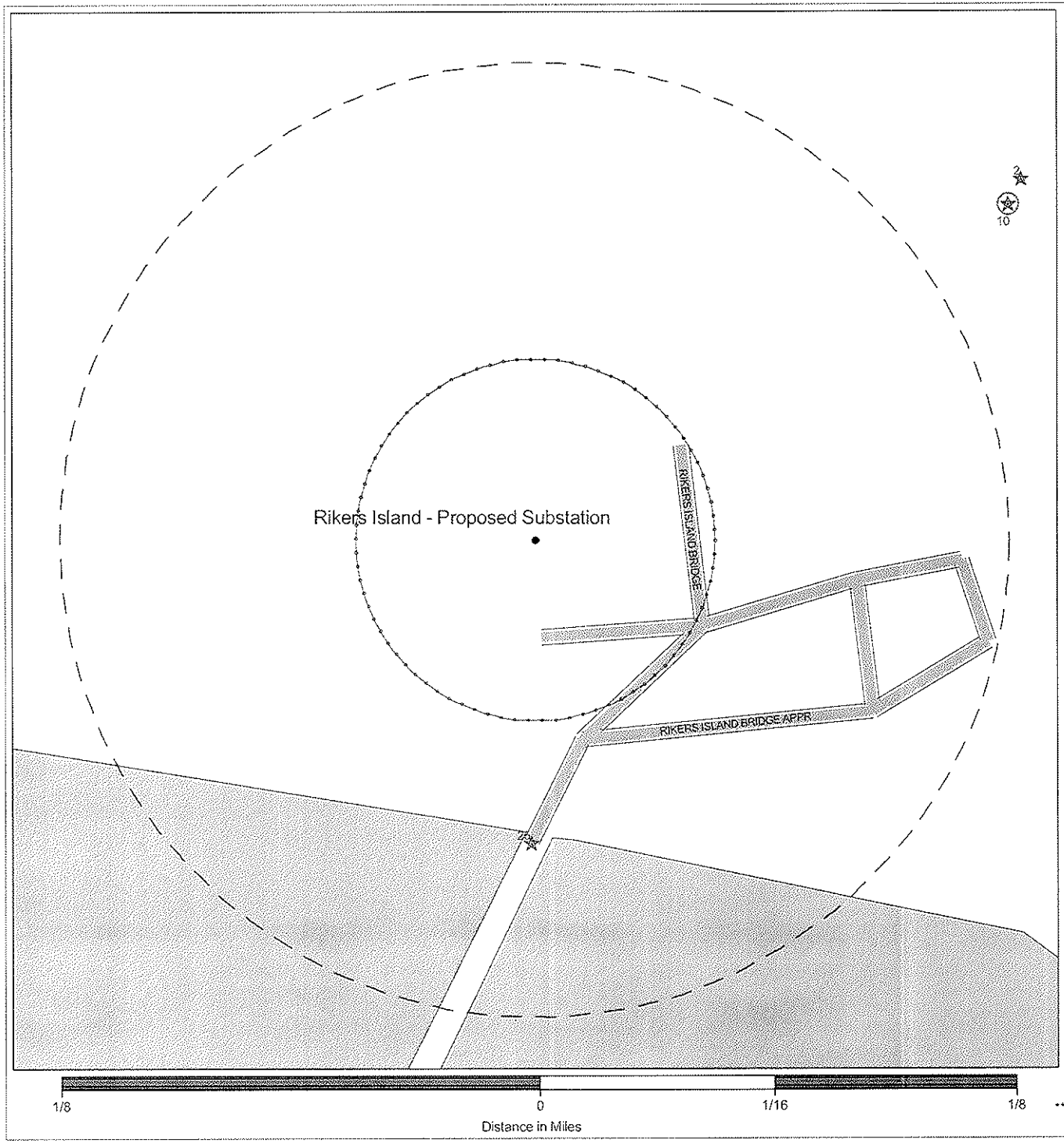


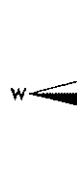
Bronx County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site
- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius

Toxics Targeting
1/8 Mile Closeup Map

Rikers Island - Proposed Substation
Bronx, NY 11370





Bronx County

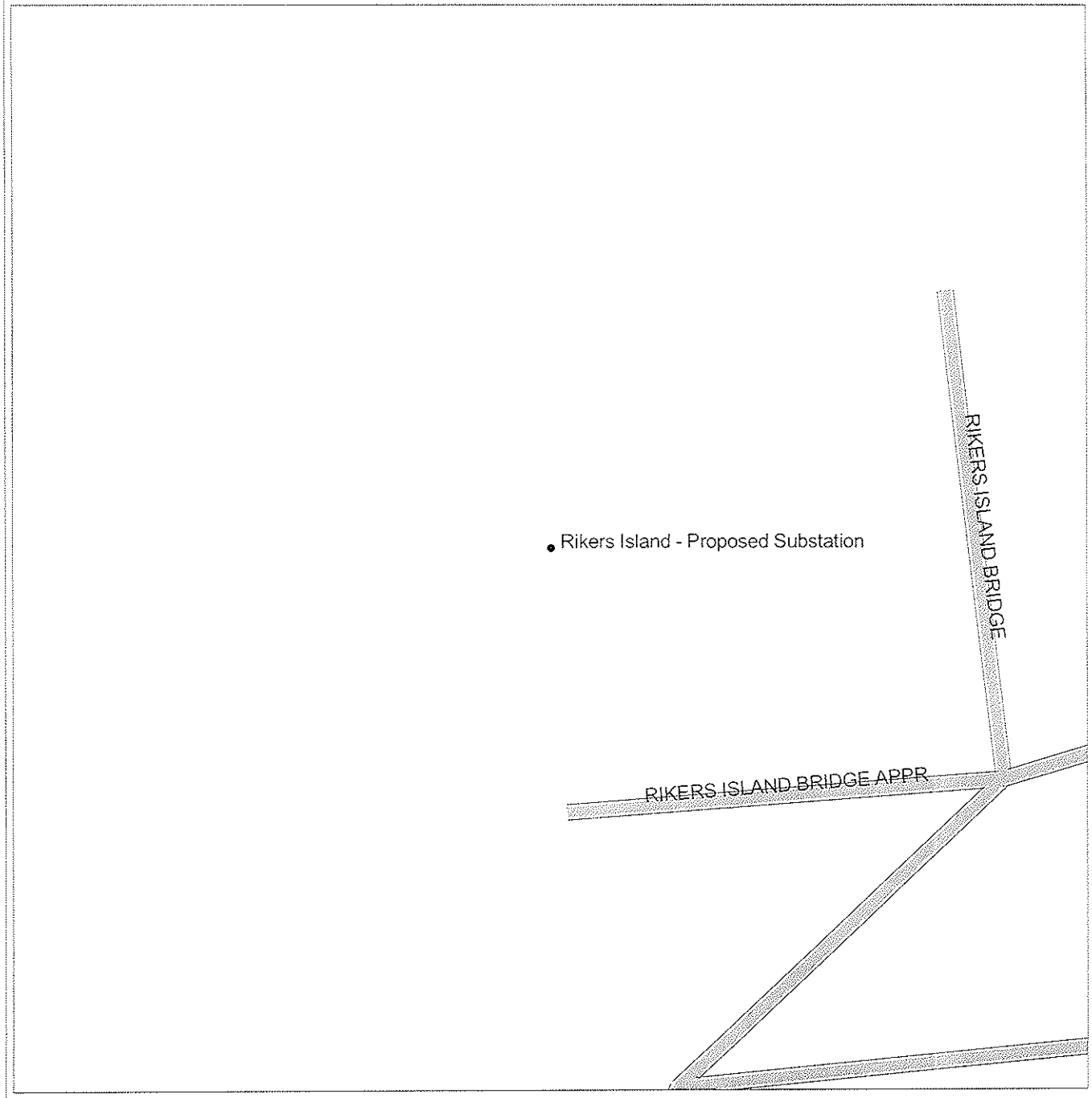
- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

* 1 Mile Search Radius
** 1/2 Mile Search Radius
**** 1/8 Mile Search Radius
***** Onsite Search (250 Ft)

Toxics Targeting
Tax Parcel Map

Rikers Island - Proposed Substation

Bronx, NY 11370



Bronx County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- MTBE Gasoline Additive Spill
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

Rikers Island - Proposed Substation
Bronx, NY 11370

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
	Site not located on a parcel							
	Site not located on a parcel							

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
  (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **RIKERS ISLAND**
RIKERS ISLAND BRONX, NY 11370

EPA Facility Id: NYD980289375
TT-Id: 240A-0000-126

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE - LARGE SITE
Approximate distance from property: 2293 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

****

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD980289375 Site-ID: 0201682
Site Name: RIKERS ISLAND
Site Street: RIKERS ISLAND
Site City/State/Zip: BRONX, NY 11370

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

USGS Hydrological Unit: 02030201 NPL Status Indicator: Not on the NPL
Incident Category: RCRA Flag:
Non-NPL Status: NFRAP Non-NPL Stat Date: 19900925
Federal Facility Flag: Not a Federal Facility

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: Discovery Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 19830301

Qualifier:
Fin Budget Src:

Name: Preliminary Assessment
Lead: EPA Fund-Financed
Qualifier: Low
Start Date:
Completion Date: 19830401
Fin Budget Src: Remedial
Operable Unit ID: 00

Name: Hazard Ranking System Package
Lead: Other
Qualifier:
Start Date:
Completion Date: 19830501
Fin Budget Src: Remedial
Operable Unit ID: 00

Name: Site Inspection
Lead: EPA Fund-Financed
Qualifier: NFRAP (No Futher Remedial Action Planned)
Start Date: 19900701
Completion Date: 19900925
Fin Budget Src: Remedial
Operable Unit ID: 00

Name: Archive Site
Lead: EPA In-House
Qualifier:
Start Date:
Completion Date: 19900925
Fin Budget Src:
Operable Unit ID: 00

FINANCIAL INFORMATION

No financial information was provided

NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **ADOLESCENT DETENTION CENT**
11-11 HAZEN STREET
EAST ELMHURST - RIKERS ISLAND, NY 11370

Spill Number: 9811098

Close Date:
TT-Id: 520A-0006-557

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 842 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: VSZHUNE

Spiller: KAMAL BHUIYAN - RIKERS ISLAND
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

ISOLATION TEST ON TANK WILL BE DONE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.

Map Identification Number 3 **NEW YORK CITY CORRECTIONS** RIKERS ISLAND BRIDGE RIKERS ISLAND, NY **Spill Number: 0208155** **Close Date:** TT-Id: 520A-0137-477

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING - LARGE SITE
Approximate distance from property: 2007 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: RIKERS ISLAND BRDG
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MICHAEL COLLINS
DEC Investigator: AHMED

Spiller: NEW YORK CITY CORRECTIONS
Notifier Name: MICHAEL COLLINS
Caller Agency: FENLEY & NICOL
Contact for more spill info:

Spiller Phone:
Notifier Phone: (631) 586-4900
Caller Phone: (631) 586-4900
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/06/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	FAIL
2	5000	Horner EZ Check I or II	0.00	FAIL
The following tank was deleted from the reported data. Data reflects last reported information.				
2	5000	Horner EZ Check I or II	0.00	GROSS LEAK RATE

Caller Remarks:

TANK 1 HAD 520 GALLONS OF WATER IN IT. WORK WAS PERFORMED ON BEHALF OF LIRO GROUP, MIKE BELDING, (516) 938-5476. MIKE BELDING HAS BEEN NOTIFIED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **RIKERS ISLAND**
10-10 HAZEN ST
EAST ELMHURST, NY

Spill Number: 9913747

Close Date:
TT-Id: 520A-0006-703

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: PATRICIA FEENEY
DEC Investigator: rvketani

Spiller: LIRO CONSTRUCTION
Notifier Name: PATRICIA FEENEY
Caller Agency: NYC DEPT CORRECTION
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (718) 956-8778
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/06/2000		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	275.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONSTRUCTION CREW CUT UNDERGROUND OIL TANK LINES

CLEANUP IN PROGRESS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"

30Jan2006 - Spoke with Patricia Feeney NYC Dept of Corr. She will send documentation of completion of clean-up.

9/7/06 - Austin - Assigned from Albany to Region 2 staff for review and closure - end

10/6/06 - Raphael Ketani. Patricia Feeney, Assistant Commissioner, Environmental Health, of the NYC Dept. of Corrections (718) 546-3090 is the contact. Construction crew was digging and cut the underground pipes for some oil tanks. 275 gals. of #2 oil were lost to the soil.

I tried calling Ms. Feeney, but she was out sick. I got her assistant, Director Marcia O'Connor of Environmental Health. She took my message.

1/11/07 - Raphael Ketani. I tried calling Ms. Feeney, but could only leave a voice mail.

1/12/07 - Raphael Ketani. Ms. Feeney called me back. She said that she never got the message that the DEC had called requesting documentation for the spill. She said that her assistant had left. She said she will go into the archives and dig out all of the documentation I need for the spill. She said that the spill had been completely cleaned up.

6/25/07 - Raphael Ketani. I made contact with Ms. Feeney's secretary/assistant. I left a message that I needed the cleanup report. The assistant assured me that Ms. Feeney would get the message.

I spoke to Ms. Feeney. She said that all of the records are boxed in trailers away from Rikers Island and things are a bit of a mess. She said that they found some of the records, but not the pipe repair and oil cleanup files. She asked for more time and what she should do next. I told she should keep looking for the records, but that she has already spent lots of time and 8 months have gone by without resolving the spill case. I told her she shouldn't spend much more time on looking. I told her that if nothing is found, then 2 soil borings will have to be done in the area of the formerly damaged tanks. She said that she will have to submit a procurement request to have the drilling done. It told her that it will be alright if she needs more time to get the drilling arranged. She said she will let me know by mid-July what will happen. I told her that would be fine.

10/24/07 - Raphael Ketani. I tried to contact Ms. Feeney, but could only leave a message requesting a new investigation.

12/7/07 - Raphael Ketani. I tried to contact Ms. Feeney (718) 546-3090, but could only leave a message with her secretary. She tried to connect me with G. Fargus Mathews (718) 546-3093, Deputy Commissioner, but I could only leave a message.

Mr. Mathews called and said he will look into the matter of the oil release.

12/19/07 - Raphael Ketani. I spoke to Mr. Mathews. He said that he had contacted some workers and they are supposed to be going through the old records to locate the spill cleanup files. He said that they should call him back with some type of answer in 3 days. Mr. Mathews said he will keep me informed as to whether they find the records. I told him that if the records can not be located, then they will have to do a new investigation. He said he was aware of this.

12/28/07 - Raphael Ketani. Mr. Mathews called and said that they are still looking for the documents verifying that the spill was cleaned up and that the fuel system was repaired or replaced.

1/31/08 - Raphael Ketani. I spoke to Commissioner Feeney. She said she had been out for 7 weeks and so things are piled up on her

desk. She said she is willing to have Tri State Environmental come in and do soil sampling in the vicinity of the formerly cut fuel line. I told her that is exactly what DEC wants. She said she will make the arrangements.

Map Identification Number 5 **BY GERNERATOR 60** MANDINICI RD RIKERS ISLAND, NY **Spill Number: 0010058** **Close Date:** TT-Id: 520A-0212-979

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PATRICIA FEENEY
DEC Investigator: AHMED

Spiller: DEPT OF CORRECTIONS
Notifier Name: SUPPORT SERVICES
Caller Agency: NYC DEPT CORRECTION
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/06/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	50.00	GALLONS	50.00	GALLONS	SOIL

Caller Remarks:

THEY WORKED ON THE GENERATOR THE NIGHT BEFORE & WHEN THEY CAME THE NEXT MORNING THEY FOUND THE OIL HAD SPILLED - SPEEDY DRY & ABOSRBANT FOR CLEAN UP

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 6 **1606 HAZEN** 1606 HAZEN ST EAST ELMHURST, NY **Spill Number: 0209283** **Close Date:** TT-Id: 520A-0212-949

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2033 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: MARSHA OCONNOR
DEC Investigator: HRPATEL

Spiller: CALLER - 1606 HAZEN ST
Notifier Name:
Caller Agency: NYS DEPT OF CORRECTIONS
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/10/2002		UNKNOWN	2-601484	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING FROM STORAGE TANK. LEAK STOPPED. CLEANUP CREW CONTACTED AND RESPONDING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
12/10/02 - 9:35am: Tristate Environmental is on the way for clean up. - 12:00PM: Several 275 ASTs located at west area in Rikers Island. Inventory showed that 100 gal fuel lost in a 48 hour period. Assuming that pipline at one tank behind builging 19 in west area in Rikers Island leaked. Tri-state Lisa Howard (914) 589-8418 states that tri-state will perform a line test to conform the leak and will contact DEC after the test. jz

1000 GAL AST. 518-402-9543 BOB, TASO.

4/12/04-Vought-Spill transferred from Sangesland to Rommel as per Rommel.

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Patel) for review and closure - end

11/01/06-Hiralkumar Patel. left message for Ms. Oconnor (PH.: 718-546-3090/3091/3092).
11/16/06-Hiralkumar Patel. spoke with Ms. Oconnor. she asked to call Ms. Patricia Feeney (718-546-3090) tomorrow.

12/01/06-Hiralkumar Patel. left message for Ms. Feeney.

12/04/06-Hiralkumar Patel. received call from Ms. Feeney. as per her, tristate did cleanup. she will check her records and will send letter report about cause of release, area impacted and method of cleanup.

12/27/06-Hiralkumar Patel. left message for Ms. Feeney.
03/16/07-Hiralkumar Patel. left message for Ms. Feeney.
06/06/07-Hiralkumar Patel. spoke with Ms. Feeney. she will check her record storage area for any reports.

07/05/07-Hiralkumar Patel. left message for Ms. Feeney.
10/11/07-Hiralkumar Patel. spoke with Ms. Feeney. she mentioned that she has faxed letter in Jan. 2007, but i haven't received any. she will fax letter again.

11/01/07-Hiralkumar Patel. spoke with Ms. Feeney. after initial fax in Jan 2007, they put documents back in storgae and are currently looking for it and will send once gets it.

01/14/08-Hiralkumar Patel. spoke with Mr. Kazi at Ms. Feeney's office. he asked to contact Mr. Geevarughese, who handles this matter.

Mathew Geevarughese
Dept. Director, OSHA
PH. (718) 546-3093/3091 (O)
(347) 386-7060 (C)

spoke with Mathew. he will look for report.

01/22/07-Hiralkumar Patel. received message from Mathew aksing for spill number. left message for Mathew with spill number.
01/31/08-Hiralkumar Patel. spoke with Mathew. he is looking for report.
02/01/08-Hiralkumar Patel. received call from Mathew. he couldn't find any documents. asked him to contact Tristate environment, who responded for cleanup for any documents. if no documents available, then asked him to find source of release and if required schedule site visit with person from Tristate who can show source area. Mathew will call back.

02/04/08-Hiralkumar Patel. received call from Mathew. nobody has any documents regarding oil spill investigation and cleanup. discussed with DEC Austin. he asked for scaled site map with all tank system and vacuum test for each tank system at site. spoke with Mathew and asked him to test each tank system and to provide site map with all tank system locations (including tank, pipings, fill ports, boiler). asked Mathew to mention, on map, about which part aboveground and which is underground.

ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.

All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 7 **ROSE M SINGER CNT** RIKERS ISLAND EAST ELMHURST, NY **Spill Number: 0002268** **Close Date:** TT-Id: 520A-0014-099

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2603 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Citizen
Caller Name: ANONOMOUS
DEC Investigator: Needs Reassignment

Spiller: UNKNOWN - NYC DEPT OF CORRECTIONS
Notifier Name: SAME
Caller Agency:
Contact for more spill info: UNK

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (000) 000-0000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/13/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	5000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller is an employee at above location. caller wishes not to be

identified. caller states a transfer switch failed at above location causing above material to be spilled. location is in

area mods # 17,18,19,20 in area of generator. caller states the

small tanks under generator is what leaked. generator #83,84,85,86.

caller believes material went into ground around generators.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
4/12/04-Vought-Spill transferred from Tipple to Rommel as per Rommel.

Transferred to Rutland during the Spill Reduction initiative.

9/13/2005 Spoke to Patricia Feeney ((718)546-1900). She will review file and get back to me. - Rutland

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0514987	RIKERS ISLAND CORRECTIONA	11-11 HAZEN ST	EAST ELMHURST
9409348	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX

CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 8 **Spill Number: 0208209** **Close Date: 11/14/2003**

1616 HAZEN ST QUEENS, NY TT-Id: 520A-0212-952

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: BOB ABRANO
DEC Investigator: JMROMMEL

Spiller: NYC DEPT OF CORRECTIONS
Notifier Name: SAME
Caller Agency: GEMSTAR/OMEGA
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 967-7377
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/07/2002		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL DISCOVERED AROUND TANK FROM SAMPLES TAKEN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
contaminated soils letter sent/od/mt

1/14/2003-Vought-Duty desk received message from Patricia Sweeny (Dept. of Corrections) that report will be sent to NYSDEC by

1/21/2003.

Closed. To be investigated and remediated under spill 0011303

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 9 **GEORGE MOTCHIAN DETENTION** **Spill Number: 9811097** **Close Date: 05/11/2006**
15-15 HAZEN ST RIKERS ISLAND, NY TT-Id: 520A-0136-830

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1828 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: MIKE GIUSTINIANI
DEC Investigator: JMROMMEL

Spiller: KAMAL BHUIYAN - GEORGE MOTCHIAN DETENTION
Notifier Name:
Caller Agency: STATE ENVIRONMENTAL SERVI
Contact for more spill info: KAMAL BHUIYAN

Spiller Phone: (212) 266-1889
Notifier Phone:
Caller Phone: (718) 265-3355
Contact Person Phone: (212) 266-1889

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
DIESEL	UNKNOWN	0	GALLONS	0	GALLONS	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

UNK WHAT IS GOING TO HAPPEN FROM HERE.POSSIBLE ISOLATION TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
06/25/04 - Transfered from Tibbe to Rommel.

Letter sent 1/27/2006 to obtain more info.

Sent strong followup 2/21/06.

Closure report submitted 4/27/06. No photos, no DEC rep at closure, and no GW data. Low level SVOCs remain- does not meet standards without groudwater data confirmation.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 10 **ARDC CENTER** 1111 HAZEN ST EAST ELMHURST, NY **Spill Number: 0606019** **Close Date: 08/25/2006** TT-Id: 520A-0212-954

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 808 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: rmpiper

Spiller: CARMELO SAIA - ARDC CENTER
Notifier Name:
Caller Agency:
Contact for more spill info: CARMELO SAIA

Spiller Phone: (917) 299-2146
Notifier Phone:
Caller Phone:
Contact Person Phone: (917) 299-2146

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/24/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	5000	Unknown	0.00	UNKNOWN
The following tank was deleted from the reported data. Data reflects last reported information.				
	5000	Unknown	0.00	UNKNOWN

Caller Remarks:

Did tank closer and used a geoprobe around tank. Took soil and water samples. Results showed a hit of MTBE. Tank was closed in place.

DEC Investigator Remarks:

DEC Piper phoned Tina At Gemstar. AS per database, spill was already called in. Tina gave old spill as well. 0514987. Piper had this spill in past and referred to remediation due to gw exceedances. This spill 0606019 is closed see 0514987

Map Identification Number 11 **RIKERS ISLAND** 18-18 HAZEN ST EAST ELMHURST, NY **Spill Number: 9912728** **Close Date: 01/09/2001** TT-Id: 520A-0212-953

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PATRICIA FEENEY
DEC Investigator: JMROMMEL

Spiller: NYC DEPT OF CORRECTIONS
Notifier Name: WARREN & PANZER ENGINEERS
Caller Agency: NYC DEPT CORRECTION
Contact for more spill info: PATRICIA FEENEY

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone: (718) 956-8778

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states soil sample taken during excavation showed contamination - products include benzo a pyrene,benzo fluotanthene,

benzo ghi perilene, benzo k fluoranthene, chrysene,fluoranthene,

indio 123 cd pyrene, napthelene and pyrene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

4/19/00 REASSIGNED FROM ODOWD.

Map Identification Number 12 **RIKERS ISLAND PRISON** **Spill Number: 9809115** **Close Date: 10/21/1998**
16-16 HAZEN ST QUEENS, NY TT-Id: 520A-0006-702

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Fire Department
Caller Name: FIRE DISP 241
DEC Investigator: SMMARTIN

Spiller:
Notifier Name:
Caller Agency: NYC FIRE DEPT
Contact for more spill info: DIVISION 14

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 476-6200
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
METHANE	OTHER	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

STRONG ODOR OF METHANE GAS ON RIKERS ISLAND UNK WHERE IT IS

COMMING FROM - FIRE DISPATCH CAN CONTACT DIVISION 14

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
COPY TO DIV. OF AIR (MOHAMMED)

FAXED TI DEP HAZMAT,AIR

Map Identification Number 13 **BARGE**
NORTH TIP RIKERS ISLAND NASSAU, NY

Spill Number: 9708436 **Close Date: 11/08/2001**
TT-Id: 520A-0212-978

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Federal Government
Caller Name: PETTY OFFICER NAUSS
DEC Investigator: TOMASELLO

Spiller: VIKING TUGBOAT
Notifier Name: ECKLOFF MARINE
Caller Agency: US COAST GUARD
Contact for more spill info: PETTY OFFICER NAUSS

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 354-4156
Contact Person Phone: (718) 354-4121

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/18/1997	11/08/2001	OTHER	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

POTENTIAL SPILL-NO SPILL AS OF YET-TUGBOAT HIT BOTTOM AND THERE IS

POTENTIAL FOR #6 OIL SPILL. NYCPD AND COAST GUARD ON WAT FOR BOOM

DEPLOYMENT.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 14 **ON A ROAD**
17-17 HAZEN ST EAST ELMHURST, NY

Spill Number: 0706767 **Close Date: 09/19/2007**
TT-Id: 520A-0014-678

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: hrpatel
Spiller: PATRICIA FEENEY - ON A ROAD
Notifier Name:
Caller Agency:
Contact for more spill info: PATRICIA FEENEY
Spiller Phone: (917) 681-4386 ext. C
Notifier Phone:
Caller Phone:
Contact Person Phone: (917) 681-4386 ext. C

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/18/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LUBE OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LESS THAN 1/2 GALLON; PORTABLE GENTERATOR SPILL PAN TIPPED WHILE ON INCLINE - ; HAS BEEN CLEANED;

DEC Investigator Remarks:

all cleaned up.

Map Identification Number 15 **ROADWAY / RIKERS ISLAND** **Spill Number: 0703139** **Close Date: 06/18/2007**
RIKERS ISLAND QUEENS, NY TT-Id: 520A-0212-958

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Local Agency
Caller Name:
DEC Investigator: smsanges
Spiller: BILL KEENAN - ROADWAY / RIKERS ISLAND
Notifier Name:
Caller Agency:
Contact for more spill info: BILL KEENAN
Spiller Phone: (347) 203-0591 ext. C
Notifier Phone:
Caller Phone:
Contact Person Phone: (347) 203-0591 ext. C

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/15/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CAME FROM BUS THAT HIS A POT HOLE IN THE ROAD, THERE IS A MTA SERVICE TRUCK THERE CURRENTLY APPLYING ABOSORBENT PADS:

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 16 **NYC SUPPORT SERVICE CENTE** **Spill Number: 0613345** **Close Date: 03/13/2007**
1616 HAZEN STREET EAST ELMHURST, NY TT-Id: 520A-0006-665

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: smsanges

Spiller: PATRICIA FEENEY - NYC SUPPORT SERVICE CENTE
Notifier Name:
Caller Agency:
Contact for more spill info: PATRICIA FEENEY

Spiller Phone: (718) 546-3090
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 546-3090

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/13/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

the 5 gallon can caught fire and 1-2 gallons spilled out: miller enviormental is enroute to cleaned up and is all conatined:
unknown how fire started

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 17 **RIKERS ISLAND** **Spill Number: 9709506** **Close Date: 11/17/1997**
RIKERS ISLAND QUEENS, NY TT-Id: 520A-0212-957

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Local Agency
Caller Name: JANET MORALES
DEC Investigator: MMMULQUE

Spiller: UNKNOWN
Notifier Name: COAST GUARD
Caller Agency: DEP
Contact for more spill info: NONE

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

THERE WAS A 20" X 1' OIL SHEEN - SHEEN IS GONE NOW

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"

Map Identification Number 18 **UNK** **Spill Number: 9411422** **Close Date: 10/03/1997**
1616 HAZEN ST ELMHURST, NY TT-Id: 520A-0129-364

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: UNASSIGNED

Spiller: UNK
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/28/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "XX"
SPILL CLOSED DUE TO INSUFFICIENT DATA.

Map Identification Number 19 **1414 HAZEN ST.** **Spill Number: 9312321** **Close Date: 01/20/1994**
1414 HAZEN ST. QUEENS, NY TT-Id: 520A-0129-361

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: BETSY
DEC Investigator: CAMMISA

Spiller: UNK
Notifier Name:
Caller Agency: DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6700
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/20/1994	01/20/1994	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

DEPT OF CORRECTIONS TRANSFORMER FIRE NEAR TELEPHONE POLE - DEP ON SITE TRANSFORMER INSTALLED AUG 1992 - CONTAINED NON-PCB OIL. CLEAN UP DIRECTED BY DEPT. OF CORRECTIONS AND DEP.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: SPRAY OF OIL TELF.

Map Identification Number 20 **RIKERS ISLAND &COLLEGE PT** **Spill Number: 9302750** **Close Date: 06/01/1993**
RIKERS ISLAND &COLLEGE PT QUEENS, NY TT-Id: 520A-0129-359

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: CHEF BONNE
DEC Investigator: KSTANG

Spiller: UNK
Notifier Name:
Caller Agency: USCG
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7936
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/1993	06/01/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	AIR

Caller Remarks:

USCG SENDING TEAM. NOTIFIED DEP CALLED USCG, CITIZEN SAW AN OIL SHEEN ON WATER AND STRONG SMELL OF PETROLEUN, DON'T KNEW SIZE OF

SHEEN. CALLED USCG BACK - NO ACTION TAKEN.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG."

Map Identification Number 21 **VAULT V3292** **Spill Number: 0311257** **Close Date: 03/10/2004**
RIKERS ISLAND SHELTER C95 QUEENS, NY TT-Id: 520A-0212-959

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: PAUL DIDONETO
DEC Investigator: SKARAKHA

Spiller:
Notifier Name: MR. WAINWRIGHT
Caller Agency: CON ED
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6764
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANUP PENDING LAB RESULTS. ALL CONTAINED TO VAULT. NO FIRES OR INJURIES.

DEC Investigator Remarks:

01/05/2004 10:55 HRS.

G. GORMAN #46513 REPORTS AT 10:55 HRS FOUND APPROX. 1 GAL. UNKNOWN OIL ON APPROX. 15 GAL. WATER IN V-3292. VAULT CONNECTED TO V-3474 WHERE HE FOUND SUMP PUMP UNPLUGGED. THREE ATTACHED STRUCTURES: V-3734 (OIL SHEEN ON 1 GAL WATER), BUS COMPARTMENT (OIL SHEEN ON 10 GAL WATER), AND V-5678 (NO OIL). SAMPLES WILL BE TAKEN WHEN FEEDER IS DEENERGIZED.

TRANSFORMER INFORMATION FROM ECC WAREHOUSE FOR V-3292:

Feeder: Q01, Serial # H390737, Mfr: GE, Mfr Date: 12/01/1974, Installed: 04/14/1997. PCB Sample Date: 9/09/1994, 20 ppm, Lab Seq # 9406204003.

TRANSFORMER INFORMATION FROM ECC WAREHOUSE FOR V-3734:

Feeder: , Serial # H373857, Mfr: GE, Mfr Date: 08/01/1974, Installed: 04/14/1997. PCB Sample Date: 06/21/2001, 2 ppm, Lab Seq # 106461002.000

13:15 HRS RECHECKED OIL LEVEL WITH ANOTHER HOCKEY PUCK AND FOUND THE OIL LEVEL TO BE AT MIN. PRESSURE TESTED OK. ADDED OIL TO UNIT

TO BRING UP LEVEL. TWO OIL SAMPLES TAKEN FROM SPILL FOR OIL ID & PCB.

RECEIVED TWO PCB RESULTS FOR VAULT 3292:

LAB SEQ # 04-00042-001, 14 PPM, AROCLOR 1254 (WATER & OIL SAMPLE FROM VAULT)

LAB SEQ # 04-00042-002, 12 PPM, AROCLOR 1254 (OIL SAMPLE FROM TRANSFORMER)

1/12/04 ENVIR OPPS REPORTS V-3292 V-3734 AND BUS COMPARTMENT WERE DOULBED WASHED USING BIO-GEN 760. GORMAN NETW REPORTS PRESSURE TESTED AND HELD OK. HE ADDED 10 GALLONS OF OIL. LEVEL IS AT 25 PLUS AT THIS TIME.

Map Identification Number 22 **RYKERS ISLAND** **Spill Number: 0308573** **Close Date: 11/13/2003**
RYKERS ISLAND ELMHURST, NY TT-Id: 520A-0212-955

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JASPER DEAN
DEC Investigator: SMSANGES

Spiller: UNKNOWN
Notifier Name:
Caller Agency: CITIZEN
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 410-0752
Contact Person Phone:

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;NO CORR ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/13/2003		UNKNOWN	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER SAYS THERE ARE TOO MANY PEOPLE THAT WORK ON THAT ISLAND THAT HAVE DIFFERENT TYPES OF CANCERS AND SHE WOULD LIKE THE ISLAND TESTED TO SEE WHAT THE PROBLEM IS - SHE WOULD LIKE A CALL BACK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Forwarded caller to city dept of health tel #311

Map Identification Number 23 **RIKERS ISLAND** MANDINISI RD QUEENS, NY **Spill Number: 0009995** **Close Date: 12/14/2000** TT-Id: 520A-0212-980

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: CAPT FRANK DEBIASE
DEC Investigator: JMKRIMGO

Spiller: CAPT FRANK DEBIASE - RIKERS ISLAND
Notifier Name: CAPT FRANK DEBIASE
Caller Agency: NYC CORRECTIONS
Contact for more spill info: CAPT FRANK DEBIASE

Spiller Phone: (718) 546-1422
Notifier Phone: (718) 546-1422
Caller Phone: (718) 546-1422
Contact Person Phone: (718) 546-1422

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/05/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

speedy dry put down is contained - cleanup is starting now

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"

CLEANED UP BY RP.

Map Identification Number 24 **RIKERS ISLAND** **Spill Number: 9801252** **Close Date: 05/29/1998**
ROSE M SINGER CENTER QUEENS, NY TT-Id: 520A-0212-956

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2610 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MARK TUROFF
DEC Investigator: SIGONA

Spiller: MARK TUROFF - RIKERS ISLAND
Notifier Name: GREEN GOLD DEVEL.CORP.
Caller Agency: PET. TECH INC
Contact for more spill info: MARK TUROFF

Spiller Phone: (718) 761-4334
Notifier Phone: (718) 721-6677
Caller Phone: (718) 761-4334
Contact Person Phone: (718) 761-4334

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/29/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING WORK THEY FOUND CONTAMINATED SOIL AND RESULTS OF TESTING CAME BACK SHOWING GAS IN SOIL

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

This is a jail at Rikers Island. There are no tanks in the excavation. Lab results showed gasoline contamination. Excavation was done for a new building. URS is a CM for this job (Kenrick Williams 718-262-0086). David is a contractor from Green Gold Corporation. URS does not want to do any environmental work at the site. I instructed Mark Turoff to excavate all contaminated soil, take post-excavation samples and install borings if necessary. Alex Zhitomirsky 04/29/98

DEC (SIGONA) REVEIWED RESULTS OF FOUR SOIL BORINGS. Groundwater analysis meets STARS Guidance values for fuel oil constituents. Letter sent to URS/DDC dated May 29, 1998 to close the spill case.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 25 **FRANCIS R BUONO BRIDGE** **Spill Number: 0108661** **Close Date: 07/31/2003**
HAZEN STREET QUEENS, NY TT-Id: 520A-0212-975

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING - LARGE SITE
Approximate distance from property: 417 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: PASSENGER VEHICLE
Notifier Type: Local Agency
Caller Name: PATRICIA FEENEY
DEC Investigator: MXTIPPLE

Spiller: UNKNOWN
Notifier Name: ASST DEPUTY WARDEN HECKER
Caller Agency: NEW YORK CITY CORRECTIONS
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 956-8778
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/28/2001		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	3.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

TRAFFIC ACCIDENT ON THE BRIDGE. RADIATOR RUPTURED ON A MITSUBISHI GALANTE. MOST SPILLED ONTO THE ROADWAY. A SMALL AMOUNT MAY HAVE GONE INTO THE RIVER. SPILL ON BRIDGE BEING CLEANED UP WITH SPEEDI DRY. NRC ALSO NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
7/31/2003 tipple updating/// antifreeze is an unregulated substance//nfa

Map Identification Number 26 **RIKERS ISLAND PRISON** **Spill Number: 8904358** **Close Date: 12/09/2003**
16-16 HAZEN STREET ASTORIA, NY TT-Id: 520A-0006-700

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC. GOV. OTHER
Notifier Type: Local Agency
Caller Name: ANTHONY SIGONA
DEC Investigator: SIGONA

Spiller: RIKERS ISLAND NYCDOC
Notifier Name:
Caller Agency: NYSDEC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482-4933
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/31/1989		HOUSEKEEPING	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NYCFD, NYCDEP & NYSDEC ON SCENE, METHANE GAS IS BEING RELEASED FROM ANABANDONED LANDFILL, RIKERS ISLAND PRISON WILL HIRE AN ENVIRONMENTAL CONSULTANT TO SOLVE THE PROBLEM,

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: METHANE GAS.
11/29/95: Historical Spill- Free product plume under the ground.

Map Identification Number 27 **NYC DEP OF CORRECTIONS** **Spill Number: 0109436** **Close Date: 08/26/2003**
RIKERS ISLAND EAST ELMHURST, NY TT-Id: 520A-0212-965

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1315 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Citizen
Caller Name: REFUSED
DEC Investigator: SIGONA

Spiller: NYC DEPT OF CORRECTIONS
Notifier Name:
Caller Agency: REFUSED
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (000) 000-0000
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/31/2001		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2000	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

Caller says that back in late october there was a spill of a couple of thousand gallons of # 2 oil that was covered over w/ gravel..says that it did get into the water also. it's at the generator site, west facility.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 28 **RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC** **Spill Number: 9200564** **Close Date: 05/10/2005**
17-17 HAZEN STREET BRONX, NY TT-Id: 520A-0129-370

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: TANK TRUCK
Notifier Type: Affected Persons
Caller Name: P MARCUNE
DEC Investigator: AIIslam

Spiller:
Notifier Name:
Caller Agency: NYC DEPT OF CORR
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 349-6800
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1992		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	250.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FUEL ON SOIL;

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
TRANSFERRED TO I. ISLAM
5/10/05- The site is currently under active remediation by O'Brien-Kreitzberg and URS Corp. under another spill # 9409348 at the site. Therefore, it is OK to close this spill to consolidate with the spill # 9409348. -II.

Map Identification Number 29 **RYKER'S ISLAND/M O # 5** **Spill Number: 9112722** **Close Date: 03/14/1992**
RYKER'S ISLAND/M O # 5 EAST ELMHURST, NY TT-Id: 520A-0129-369

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: CAP'T PALAZZO
DEC Investigator: MCTIBBE

Spiller: RYKER'S ISLAND
Notifier Name:
Caller Agency: NYC DEPT OF CORRECTIONS
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 546-1419
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/13/1992	03/14/1992	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

AUTO TRANSFER PUMP MALFUNCTIONED. SOME FUEL IN STORM SEWER. SPILL CONTAINED. SAND APPLIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

Map Identification Number 30 **RIKERS ISLAND CORRECTION** **Spill Number: 9109275** **Close Date: 12/01/1991**

RIKERS ISLAND CORRECTION QUEENS, NY TT-id: 520A-0129-348

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Fire Department
Caller Name: HERMAN
DEC Investigator: O'DOWD

Spiller:
Notifier Name:
Caller Agency: NYCFD
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 753-1424
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/30/1991	12/01/1991	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 31 **1616 HAZEN ST/RYKERS ISL** **Spill Number: 9107119** **Close Date: 10/03/1991**
1616 HAZEN ST/RYKERS ISL EAST ELMHURST, NY TT-Id: 520A-0129-355

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: TOMASELLO

Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/1991	10/03/1991	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

WATER COIL IN FUEL TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 32 **RIKERS IS. N PUMP STATION** **Spill Number: 9105085** **Close Date: 08/11/1991**
RIKERS IS. N PUMP STATION QUEENS, NY TT-Id: 520A-0129-345

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: TOMASELLO

Spiller: NYCDEP
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/11/1991	08/11/1991	EQUIPMENT FAILURE	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

PUMP FAILURE. REPULLED BYPASS FLOW-BUT STILL BYPASSING.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

/ / : REFFERED TO JOE MANDALA-SPEDES.

10/10/95: This is additional information about material spilled from the translation of the old spill file: SEWAGE BYPASS

Map Identification Number 33 **RIKERS ISLAND PRISON** 16-16 HAZEN STREET ASTORIA, NY **Spill Number: 9007039** **Close Date: 11/15/1994** TT-Id: 520A-0129-349

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 1342 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

Source of Spill: VESSEL
Notifier Type: Federal Government
Caller Name: CLIFF HANGER
DEC Investigator: SIGONA

Spiller: BARGE LAURIE B
Notifier Name:
Caller Agency: USCG
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 668-7920
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RESPONSIBLE PARTY;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/27/1990	11/15/1994	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

FUEL LEAKING FROM BARGE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

11/15/94: BERMAN ENTERPRISE WAS PUT UNDER A SUMMARY ABATEMENT IN PART FOR THIS SPILL EVENT AT RIKERS ISLAND. CLEANUP SUPERVISED BY DEC & USCG.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0209906	RIKERS ISLAND SOUTH PUMP	RIKERS ISLAND	MANHATTAN
8904750	BYPASS/RIKERS ISLAND NO	RIKERS ISLAND NORTH	NEW YORK CITY
9006498	RIKERS ISLAND/EAST RIVER	RIKERS ISLAND	NEW YORK CITY
9614298	16-16 HAZEN ST	16-16 HAZEN STREET	EAST ELMHURST
9614190	RIKERS ISLAND PRISON	16-16 HAZEN STREET	EAST ELMHURST
9309202	17-17 HAZEN STREET	17-17 HAZEN STREET	RIKERS ISLAND
9509775	RIKERS ISLAND PRISON	16-16 HAZEN STREET	ASTORIA
0006606	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	BRONX
9701192	RYKERS ISLAND/ BRONX	PRISON	BRONX
0305756	ON RIKERS ISLAND	10-10 HAZEN ST	EAST ELMHURST
0108077	RIKERS ISLAND - WEST FAC.	16-16 HAZEN STREET	EAST ELMHURST
9606424	RIKERS ISLANDS PRISON	RIKERS ISLAND	QUEENS
9506538	RIKERS ISLAND	HAZEN STREET	QUEENS
9906629	RIKERS ISLAND PRISON	16-16 HAZEN ST	RIKERS ISLAND
9109222	RIKER'S ISLAND NORTH PUMP	RIKER'S ISLAND NORTH PUMP	QUEENS
9109545	RIKER'S ISLAND PUMP STA	RIKER'S ISLAND PUMP STA	QUEENS
9111801	RIKER'S ISLAND N STATION	PIKERS ISLAND N PUMP ST	RIKERS ISLAND
9303558	RIKERS ISLAND AUTO REPAIR SHOP DOC -DDC	17-17 HAZEN STREET	ASTORIA
8701019	N & S RIKERS ISLAND PUMP	NORTH/SOUTH PUMP STATION	RIKERS ISLAND
8802706	VICKERS NORTH PUMP STA	VICKERS NORTH PUMP STA	NEW YORK CITY
8904749	RIKERS ISLAND/PUMP STA	RIKERS ISLAND PUMP STA	NEW YORK CITY
8605993	RIKERS ISLAND. QUEENS/DRA	RIKERS ISLAND CORRECTDEP	NEW YORK CITY
9111296	RIKERS ISLAND NORTH	RIKERS ISLAND NORTH	QUEENS

9204621	RIKERS ISLAND FACILITY	16-16 HAZEN STREET	QUEENS
9300011	RIKERS ISLAND	16-16 HAZEN STREET	QUEENS
9308640	RYKERS IS. PLANT E. RIVER	RYKERS IS. PLANT E. RIVER	QUEENS
9307306	1717 HAZEN STREET	1717 HAZEN STREET	ASTORIA
9111356	1717 HAZEN ST	1717 HAZEN ST	QUEENS
9202698	1717 HAZEN ST/CORRECTIONS	1717 HAZEN ST/TRANS GARAG	EAST ELMHURST
9107451	17-17 HAZEN ST/RIKERS IS	17-17 HAZEN ST	EAST ELMHURST
9808977	NYC DEPT.OF CORECTIONS	1917 HAZEN ST	RIKERS ISLAND
0002465	RIKERS ISLAND	1919 HAZEN ST	EAST ELMHURST
9812448	RIKER'S ISLAND	16-16 HAZEN STREET	EAST ELMHURST
0100415	RYKERS ISLAND	16-06 HAZEN ST	EAST ELMHURST
9906197	RIKERS ISLAND	RIKERS ISLAND	QUEENS
9501753	17-17 HAVE STREET	17-17 HAVE STREET	QUEENS
0709842	RIKERS ISLAND SO PUMP STA	RICKERS ISLAND	QUEENS
9906377	RIKERS ISLAND N	PUMPING STATION	NEW YORK
0202631	ANNA M KROSS CENTER	18-18 HAZEN ST	EAST ELMHURST
0303679	AMKC	1818 HAZEN STREET	QUEENS
0109603	MAINTENANCE SHOP AMKC	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0306146	ANNA M KROSS CENTER	18-18 HAZEN STREET	RIKERS ISLAND
0109601	MOD 10 - AMKC, JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND
0204744	WEST FACILITY	16-06 HAZEN ST	EAST ELMHURST
0011303	RIKERS ISLAND WEST FACILI	16-16 HAZEN STREET	EAST ELMHURST
0006805	MANHOLE NYCMH1E	RIKER ISLAND BRIDE APPROC	QUEENS
9703881	RIKER'S ISLAND BRIDGE	HAZAN ST	QUEENS
0109600	JATC FACILITY	16-16 HAZEN ST	EAST ELMHURST - RIKERS ISLAND

NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 34 **RIKERS ISLAND** 16-16 HAZEN STREET RIKERS ISLAND, NY 11370 **Site Number Id: HS2038** **Registry Id: N** TT-Id: 840A-0000-038

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE - LARGE SITE
Approximate distance from property: 2293 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11370

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site Study

Inventory Status: Currently Listed in the Hazardous Substance Inventory

SITE INFORMATION

Site Name: RIKERS ISLAND
Site Street: 16-16 HAZEN STREET
Site City: RIKERS ISLAND
Site Zip: 11370
Region: 2

Site Number: HS2038
Registry: No
Registry Site ID: None
RCRA: Unknown
EPA ID: NYD980289375

US EPA No Further Remedial Action Planned? Unknown

Site Code: 3B
Description: INDUSTRIAL LANDFILL

Acres: 505.00
Completed Investigation? FDSI,SI
Is Site Active: Unknown
Years of Operation: 1920 to Unknown

Quadrangle: Unknown
HRS Score: Unknown
HRS Date: Unknown

Site Description:
Fill material from refuse and possible dredged material was disposed here during the early 1900's. The site presently houses 5 NYS prision facilities with a total inmate and employee population of about 13000.

Sanitary landfilling takes place.

Owner:	Municipal	Operator:	Municipal
Owner Name:	CITY OF NY	Operator Name:	DEPT. OF CORRECTION
Owner Street:	225 BROADWAY	Operator Street:	16-16 HAZEN ST.
Owner City/ZIP/State:	NYC, NY 10007	Operator City/ZIP/State:	E.ELMHURST, NY 11370
Owner Telephone:	(212)374-7935	Operator Telephone:	(212)726-8114

SITE IMPACT DATA

Affected Media:

Contamination of...		Hazardous Substance Exposed?	Unknown
		Controlled Site Access?	Yes
...Surface Water?	Unknown	Ambient Air Contamination?	Unknown
...Groundwater?	Unknown	Threat of Direct Contact?	Unknown
...Drinking Water?	No	Documented Fish or Wildlife Mortality?	No
Surface Water Class:	Unknown	Impact on Special Status Fish or Wildlife Resource?	No
Groundwater Class:	Sole	Active Drinking Water Supply?	Unknown

Descriptions:

Surface Water:
The nearest surface water distance is less than 5 miles in all directions because the site is an island.

Groundwater:
The nearest ground water depth is 20-30 feet.

Drinking Water:	None provided
Fish or Wildlife Mortality:	None provided
Special Status Fish or Wildlife Resource:	None provided
Building:	None provided

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: Environment/Public Health

Threat Posed by Disposed Hazardous Substance:
Improper burial of wastes may result in exposure to environment and public.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: No Semi-VOCs: No PCBs: No Pesticides: Yes Metals: Yes Asbestos: No

Hazardous Substances Disposed:
Sludge(1000gal.), pesticides(500lbs.), and other organic chemicals(500 gal.) are know to be on site.

SELECTED ANALYTICAL INFORMATION:

Samples Collected:
Subsurface Soil

Air:	None provided
Surface Water:	None provided
Surface Soil:	None provided
Waste:	None provided
EPToxicity:	None provided
Groundwater:	None provided
Sediment:	None provided

Subsurface Soil:
PAH's, 4,4'-DDT(510 ug/kg), arsenic(199 mg/kg), mercury(17 mg/kg), copper(2000 mg/kg), & cadmium(23.6 mg/kg)

Leachate:	None provided
TCLP:	None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:
EPA

Preparer:
Julie Welch NYSDEC, Intern, RPI Env.Eng.Tech. 1 February 14, 1994

NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO AIR DISCHARGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
Rikers Island
Bronx, NY 11370

* Any ERNS Spills listed below are NOT mapped in this report *

POTENTIALLY ONSITE ERNS:

****

Spill Number (ID): 183765 Spill Date: 10/23/1990

Location: RIKERS ISLAND BRONX
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: FLUSHING BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: NONE

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING

Miscellaneous: SHEEN SIZE 10 FT. X 1/4 MILE. RAINBOW SHEEN.

****

Spill Number (ID): 610176 Spill Date: 01/30/1999

Location: 17-17 HAZEN ST.
Spill City: E. ELMMHURST NY 11370

Material	Quantity	Units	Pounds	Quantity Released	Units	Casno

Spilled	Spilled			in Water	
OIL: DIESEL	15.00	GAL	105.00	15.00	GAL

Potentially Responsible Party (Discharger): RIKERS ISLAND CORRECTION
Discharger Address: 17-17 HAZEN ST.
E. ELMMHURST NY 11370
Dun and Bradstreet Number: Organization Type: STATE GOVERNMENT

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: PAVEMENT > STORM DRAIN > EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: CO. WILL INSTALL CONTAINMENT AT FUEL STATION/ PROBLEM ONGOING UNTIL PROBLEM FIXED

Description: FUELING STATION / NO CONTAINMENT / RELEASED DIESEL ON PAVEMENT > STORM DRAIN > EAST RIVER

Miscellaneous: CALLER HAD NO WEATHER CONDITIONS CALLER HAD NO ADDITIONAL INFORMATION

****

Spill Number (ID): 641437 Spill Date: 08/24/1999

Location: RIKERS ISLAND
Spill City: BRONX NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
MERCURY	2.00	LBS	2.00	0.00	UNK	90958879

Potentially Responsible Party (Discharger): KEYSPAN ENERGY
Discharger Address:
LONG ISLAND NY
Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected:
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: IMPROPER OPERATION Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: RELEASED AT LEAST TWO LBS POSSIBLY MORE/DEP HAS ORDERED RP TO UTILIZE SERVICES OF SRC TO CLEANUP SPILL

Description: BOILER SYSTEM METERS BOILER SYSTEM METERS/RELEASE OCCURRED WHILE BOILERS WERE BEING REMOVED EXCESS DEBRIS WAS THROWN OU TSIDE BUILDING

Miscellaneous: SIZE OF IMPACTED AREA:UNKNOWN TO CALLER

****

Spill Number (ID): 102332 Spill Date: 02/15/1989

Location:
Spill City: NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
DIESEL FUEL	300.00	GAL	2100.00	0.00	UNK	

Potentially Responsible Party (Discharger): RIKER'S ISLAND PENITENTIARY
Discharger Address:
QUEENS NY 11370
Dun and Bradstreet Number: Organization Type: LOCAL GOVERNMENT

Medium(s) Affected:
Air: F Land: T Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: SOIL
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: EXCAVATED CONTAMINATED SOIL,

Description: 2 PORTABLE GENERATOR STORAGE TANKS/ LEAKY VALVE AND BROKEN FUEL LINE

Miscellaneous:

****

Spill Number (ID): 181648 Spill Date: 09/27/1990

Location: RIKERS ISLAND PRISON FCLT BOILER PLANT
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
OIL, FUEL: NO. 6	20.00	GAL	160.00	20.00	GAL	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: MARINE - RELEASED FROM A MARINE VESSEL TO INLAND WATERWAY. (NRC)

Action: BOOM DEPLOYED AROUND VESSEL AND CONTRACTOR HAS BEEN CALLED

Description: SUSPECTED LEAK IN THE BARGE LAURIE B.

Miscellaneous:

****

Spill Number (ID): 324169 Spill Date: 06/01/1993

Location: EAST RIVER BWTN RIKERS ISLAND & COLLEGE PT
Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
UNKNOWN OIL	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: EAST RIVER
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: UNKNOWN (NRC)

Action: MSO INVESTIGATORS EN ROUTE TO AREA.

Description: UNKNOWN / UNKNOWN SHEEN SIGHTING SHEEN SIZE: UNKNOWN. STRONG SMELL OF PRODUCT IN THE AIR.

Miscellaneous:

****

Spill Number (ID): 542154 Spill Date: 06/30/1997

Location: RIKERS ISLAND BRIDGE HAZEN ST
Spill City: QUEENS NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
PAINT	0.00	UNK	0.00	0.00	UNK	

Potentially Responsible Party (Discharger): RUST MARINE
Discharger Address: .

Dun and Bradstreet Number: Organization Type: PRIVATE ENTERPRISE

Medium(s) Affected:
Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: BOWERY BAY
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: NONE

Description: AN ANONYMOUS CALLER STATES THAT THE COMPANY IS CONDUCTING WORK ON A BRIDGE AND IS DUMPING SAND BLAST GRID,CONRETE AND I S OVERSPRAYING PAIN

Miscellaneous: THE USCG RECEIVED THIS REPORT AS AN ANONYMOUS CALL / WILL NOTIFY THE NY DEC AND NYC DEP / THE CALLER HAD NO OTHER INF ORMATION

****

Copyright 2008 Toxics Targeting, Inc. June 03, 2008 'Rikers Island'

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
41D01	NY NEWS GRAVURE PLANT			UNKNOWN
41D03	CAPITAL PROJECT SE-43A			UNKNOWN
41D04	MTA DEMO SITE			UNKNOWN
41D09	HARRY M GREENFIELD			UNKNOWN
41T43	SALVATORE RUSSO INC.			UNKNOWN
41T58	BERLIN WRECKING			11412
41T63	LIZZA, LIZZA, HOCHREITER			UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
8909328	EAST RIVER/QUEENS	EAST RIVER	ASTORIA	UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9905027	MANHOLE 136 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9806747	LONG ISLAND SOUND	NEAR THRONGS NECK BRIDGE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611168	6 TO 6 1/2 MILES NORTHEAS	T OF LAGUARDIA AIRPORT	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9311823	EAST RIVER WHITE STONE BR	EAST RIVER WHITE STONE BR	BRONX	10465
8602725	DIESEL ODOR, BRONX	BETWEEN THROGS NECK BRIDG	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN
0606532	BRONX RIVER	BRONX RIVER FORREST	BRONX	UNKNOWN
0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0511299	ATAR PLACE	STADIUM AVE	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0509587	CROSS BRONX EXP	BETWEEN ROSEDALE /WEST	BRONX	UNKNOWN
0507728	LONG ISLAND SOUND	LONG ISLAND SOUND	BRONX	UNKNOWN
0410985	LONG ISLAND SOUND	WEST OF THROGSNECKS BRIDG	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0200100	EAST RIVER	WHITESTONE BRIDGE	BRONX	UNKNOWN

0101368	HUNTSPOINT REGULATOR #11	NONE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
9503263	FLUSHING BAY	FLUSHING BAY	COLLEGE POINT	UNKNOWN
8504087	UNKNOWN	UNKNOWN	FLUSHING	UNKNOWN
0204522	EXACT AREA UNKNOWN	FLUSHING BAY	FLUSHING	UNKNOWN
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
0410943	ORCHARD BEACH PARK	ORCHARD BEACH PARK	NEW YORK	UNKNOWN
8809899	MASPETH CROSSING/QUEENS	MASPETH CROSSING/JAMAICA	NEW YORK CITY	UNKNOWN
8807936	EAST RIVER/ASTORIA/QUEENS	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
0211535	FLUSHING BAY	UNKNOWN ST FLUSHING BAY	NEW YORK CITY	UNKNOWN
9513153	BUOY 18 EAST RIVER	BUOY 18 EAST RIVER	QUEENS	UNKNOWN
9315581	EAST OF BOUY #9	EAST OF BOUY #9	QUEENS	UNKNOWN
9312485	BACELLENA PT. LIGHT #7.	BACELLENA PT. LIGHT #7.	QUEENS	UNKNOWN
9206327	DOCK FOR COMMUTER III	DOCK FOR COMMUTER III	QUEENS	UNKNOWN
9204759	BASIN AND JAMAICA BAY	BASIN AND JAMAICA BAY	QUEENS	UNKNOWN
8906104	BOWERY BAY OFF EAST RIVER	BOWERY BAY OFF EAST RIVER	QUEENS	11370
8503213	FLUSHING QUEENS	FLUSHING QUEENS	QUEENS	UNKNOWN
8502975	UNKNOWN	ASTORIA	QUEENS	UNKNOWN
0402446	CLEARVIEW PUMP STATION	CLEARVIEW PUMP STATION	QUEENS	UNKNOWN
0310273	614 OPPOSITE 26 FLUSHING	614 OPPOSITE 26 FLUSHINGS	QUEENS	UNKNOWN
0300613	FLUSHING BAY	VORTEX BUILDING	QUEENS	UNKNOWN
0206290	FLUSHING BAY	N OF PORPOISE BRIDGE	QUEENS	UNKNOWN
0204721	FLUSHING BAY	UNK'	QUEENS	UNKNOWN
0106536	0	FLUSHING CREEK	QUEENS	UNKNOWN
0006269	RIVER	EAST RIVER	QUEENS	UNKNOWN
8603213	BETWEEN TNK&WSTN BRS	BETWEEN TNK&WSTN BRS	WHITESTONE	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0710690	STREET	NORTH ON ROSNECK BRIDGE	BRONX	UNKNOWN
0612658	SADDLE TANK	THROGSNECK BRIDGE	BRONX	UNKNOWN
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B - MILE MARKER 2.0	BRONX	UNKNOWN
0300375	EAST RIVER	W/ OF THROGS NECK BRIDGE	BRONX	UNKNOWN
0211217	WEEKS 540 BARGE	HUNTSPOINT AVE	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
8806179	NY POWER AUTHORITY BLDG	EAST RIVER	NEW YORK CITY	UNKNOWN
8803726	EAST RIVER/QUEENS/TTLI	EAST RIVER/ASTORIA	NEW YORK CITY	UNKNOWN
9507970	EAST RIVER AT COLLEGE PT	POWELL COVE	QUEENS	UNKNOWN
9403334	FLUSHING BAY	FLUSHING MEADOW PARK-BAY	QUEENS	UNKNOWN
9200260	SANDY HOOK/L I SOUND	SANDY HOOK/L I SOUND	QUEENS	UNKNOWN
0509498	BOWERY BAY	HIGH LEVEL REGULATOR 28	QUEENS	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-187798	RIKERS ISLAND AUTO SERVICE	17-17 HAZEN STREET	EAST ELMHURST	11370
2-187739	NYC CORR INSTN FOR MEN	10-10 HAZEN STREET	**********	11370
2-187771	RIKERS ISLAND BAKERY	16-16 HAZEN STREET	**********	11370
2-601485	TELECOMMUNICATIONS BUILDING	14-12 HAZEN STREET	**********	11370
2-482501	AIDS MODULAR BUILDING, R.I.	8-08 HAZEN STREET	RIKERS ISLAND	11370

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD981080369	NEW YORK CITY DEPT OF DESIGN & CONSTRUCT	1616 HAZEN ST	EAST ELMHURST	11370
NYD981487770	NYC CORRECTIONAL INSTITUTION FOR MEN	10-10 HAZEN ST	EAST ELMHURST	11370

NYD981487796	NYC NORTH FACILITY		16-00 HAZEN ST	EAST ELMHURST	11370
NYP004033817	CONSOLIDATED EDISON		V2641-RIKERS ISLAND	NEW YORK	11370
NYP004039327	CONSOLIDATED EDISON		N/S	NEW YORK	UNKNO
NYP004051017	CONSOLIDATED EDISON		V4130-RIKERS ISLAND	NEW YORK	11370
NYP004051538	CONSOLIDATED EDISON		V4119-RIKERS ISLAND	QUEENS	11370
NYP004057592	CONSOLIDATED EDISON		MH26587	BRONX	UNKNOWN
NYP004070231	CONSOLIDATED EDISON		RED OAK	WESTCHESTER	UNKNOWN
NYP004087912	CONSOLIDATED EDISON		2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON		185 W321 ST MH8989	BRONX	UNKNOWN
NYP004120366	CONSOLIDATED EDISON		MH132	NEW YORK	UNKNOWN
NYP004128936	CONSOLIDATED EDISON		GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON		GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON		?	BRONX	UNKNOWN
NY0000010363	NYCDOT		N/S	N/S	UNKNOWN
NY0000181412	NYSDOT		RIKER ISLAND BRIDGE	NEW YORK	11370
NYD981487713	NEW YORK STATE DEPT OF CORRECTIONS		RIKERS H D M 14-14 HAZEN ST	E ELMHURST	11370
NYD981487721	NEW YORK STATE DEPARTMENT OF CORRECTIONS		16-16 HAZEN STREET	EAST ELMHURST	11370
NYD981487754	NEW YORK CITY CORRECTIONAL INSTITUTE FOR		WOMEN - 15-15 HAZEN STREET	EAST ELMHURST	11370
NYD981487762	NEW YORK CITY DEPT OF CORRECTIONS		RICKERS ISLAND 17-17 HAZEN ST	QUEENS	11370
NYD986913994	NYCDOC - NURSERY BEACON		SHORE RD	EAST ELMHURST	UNKNOWN
NYP004001756	CONSOLIDATED EDISON		EAST RIVER	QUEENS	UNKNOWN
NYP004017489	CONSOLIDATED EDISONCO		TAP C - 71ST SUBSTATION		UNKNOWN
NYP004055513	CONSOLIDATED EDISON		V2419-RIKERS ISLAND	NEW YORK	11370
NYP004062279	CONSOLIDATED EDISON		V6044-RIKERS ISLAND	QUEENS	11370
NYP004082848	CONSOLIDATED EDISON		V4164 1900 HAZEN ST RIKERS ISL	QUEENS	11370

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYU900122	RIKERS ISLAND CORRECTIONS			11370
NYU990002	RIKERS ISLAND PRISON			11370

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3600500159	FAA-VOR/LAGUARDIA		RIKERS ISLAND	BRONX	11370
3608100750	NYC DEPT OF CORRECTIONS		RYKERS ISLAND	ELMHURST	11370
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 5/7/2008. Data obtained by Toxics Targeting: 5/7/2008.
New Facilities updated through: 5/7/2008. Data obtained by Toxics Targeting: 5/7/2008.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 1/09/2008. Data obtained by Toxics Targeting: 3/12/2008.
New Facilities updated through: 1/09/2008. Data obtained by Toxics Targeting: 3/12/2008.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 02/05/2008.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 02/05/2008 New spills through: 02/05/2008

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002.**
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002.**
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 10/29/2007. Data obtained by Toxics Targeting: 11/08/2007

20) **New York City Fire Department Tank Data**.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

APPENDIX B
SOIL BORING AND SOIL VAPOR LOGS

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-1** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 14 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+14.0	Asphalt	0						
+13.3	Dark brown medium, course sand with some brick, and trace wood, gravel, and coal [Fill] **BC: 11-65**	1	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA		The boring location was surveyed and is shown on the boring location plan
		2					0.0	
		3						No staining/ No odors
		4						
		5					0.0	
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.0	
		8						Grab Sample (GB1-7-8, collected 5/28/09 @ 12:15 PM) No staining/ No odors
		9					0.0	
+4.0	End of Boring	10						Geoprobe to 10 ft
		11						Set Soil Vapor Well @ 6 ft (SV-1)
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:21:17 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-2** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 16 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.0	Asphalt	0						
+15.3	Dark brown medium, course sand with some brick, and trace wood, gravel, and coal [Fill] **BC: 11-65**	1						The boring location was surveyed and is shown on the boring location plan
		2						
		3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	
		4						No staining/ No odors
		5					0.0	
		6						Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		No staining/ No odors
		9					0.0	
+6.0		10						Grab Sample (GB2-9-10, ~~collected 5/28/09 @ 11:52~~ AM)
	End of Boring	11						Geoprobe to 10 ft Set Soil Vapor Well @ 6 ft (SV-2)
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:38:10 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-3** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 15 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+15.0	Asphalt	0						
+14.3	Dark brown medium, course sand with some gravel and trace brick [Fill] **BC: 11-65**	1	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	The boring location was surveyed and is shown on the boring location plan
		2						
		3						Grab Sample (GB3-2-3, collected 5/27/09 @ 8:45 AM) No staining/ No odors
		4						
		5					0.0	
+9.0	Light brown medium, fine sand with some silt, and trace gravel, brick and coal [Fill] **BC: 11-65**	6	S-2 (6-10)	MACROCORE	48	NA		Cleared with Air Knife to 6 ft
		7					0.0	
		8						No staining/ No odors
		9					0.0	
+5.0	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:27:18 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-4** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 16.5 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.5	Asphalt	0						
+15.8	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+14.3	Dark brown medium, course sand with some gravel and trace brick, wood and coal [Fill] **BC: 11-65**	2						
		3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	
		4						No staining/ No odors
		5					0.0	
		6						Cleared with Air Knife to 6 ft
+9.5	Light brown medium, fine sand with some silt and gravel, and trace brick and coal [Fill] **BC: 11-65**	7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		Grab Sample (GB4-7-8, collected 5/28/09 @ 1:30 PM) No staining/ No odors
		9					0.0	
+6.5	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:27:19 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-5** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 16.5 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.5	Brown Topsoil	0						
+16.0	Dark brown medium, course sand with some gravel and trace brick, wood and coal [Fill] **BC: 11-65**	1	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	The boring location was surveyed and is shown on the boring location plan
		2						
		3						No staining/ No odors
		4						
		5					0.0	
+10.5	Light brown medium, fine sand with some silt and gravel, and trace brick and coal [Fill] **BC: 11-65**	6	S-2 (6-10)	MACROCORE	48	NA		Cleared with Air Knife to 6 ft
		7					0.0	
		8						No staining/ No odors
		9					0.0	Grab Sample (GB5-8-9, collected 5/28/09 @ 1:42 PM)
+6.5	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:36:53 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-6** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 15.3 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1 / Undisturbed - / Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+15.3	Asphalt	0						
+14.6	Dark brown medium, course sand with some gravel and trace brick, wood, glass and coal [Fill] **BC: 11-65**	1	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	The boring location was surveyed and is shown on the boring location plan
		2						
		3						No staining/ No odors
		4						Grab Sample (GB6-3-4, collected 5/27/09 @ 9:35 AM)
		5					0.0	
+9.3	Light brown medium, fine sand with some silt and gravel [Fill] **BC: 11-65**	6	S-2 (6-10)	MACROCORE	48	NA		Cleared with Air Knife to 6 ft
		7					0.0	
		8						No staining/ No odors
		9					0.0	
+5.3	End of Boring	10						Geoprobe to 10 ft
		11						Set Soil Vapor Well @ 6 ft (SV-3)
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:36:55 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-7** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 16.5 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/27/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.5	Asphalt	0						
+15.8	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+13.8	Dark brown medium, course sand with some gravel and trace brick, wood and coal [Fill]	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	
+12.5	**BC: 11-65**	4						No staining/ No odors
	Light brown medium, fine sand with some silt, and trace gravel [Fill] **BC: 11-65**	5					0.0	
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.0	Grab Sample (GB7-6-7, collected 5/28/09 @ 10:15 AM)
		8						No staining/ No odors
		9					0.0	
+6.5	End of Boring	10						Geoprobe to 10 ft
		11						Set Soil Vapor Well @ 6 ft (SV-4)
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:40:22 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-8** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 19.4 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/28/09 / Date Finished: 5/28/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+19.4	Asphalt	0						
+18.7	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+16.2	Light brown medium, fine sand with some silt and gravel [Fill] **BC: 11-65**	2						
		3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA		
		4					0.0	
		5						No staining/ No odors
		6						Grab Sample (GB8-5-6, collected 5/28/09 @ 2:40 PM) Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		No staining/ No odors
		9					0.0	
+9.4	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:32:49 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-9** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 21.2 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/29/09 / Date Finished: 5/29/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+21.2	Asphalt	0						
+20.5	Concrete	1						The boring location was surveyed and is shown on the boring location plan
		2						
+18.5	3/4"-gravel with medium sand ant trace brick and wood [Fill]	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	
+17.0	Light brown medium, fine sand with some silt and gravel [Fill] **BC: 11-65**	4						No staining/ No odors
		5					0.0	
		6						Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		No staining/ No odors
		9					0.0	Grab Sample (GB9-8-9, collected 5/29/09 @11:55 AM)
+11.2	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 4:32:50 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-10** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 20.6 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/29/09 / Date Finished: 5/29/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+20.6	Asphalt	0						
+19.9	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+18.4	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+17.6	Light brown medium, fine sand with some silt and gravel [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	Grab Sample (GB10-3-4, collected 5/29/09 @ 12:55 PM)
		5						
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.0	
		8						No staining/ No odors
		9					0.0	
+10.6	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:21:18 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-11** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 20 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/29/09 / Date Finished: 5/29/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+20.0	Asphalt	0						
+19.3	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+17.8	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+17.0	Dark brown medium, course sand with some gravel and trace brick, wood and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
		5						No staining/ No odors
+14.0	Light brown medium, fine sand with some silt and gravel [Fill] **BC: 11-65**	6						Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		Grab Sample (GB11-7-8, collected 6/1/09 @ 10:30 AM) No staining/ No odors
		9					0.0	
+10.0	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:21:19 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-12** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 21.5 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/1/09 / Date Finished: 6/1/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+21.5	Asphalt	0						
+20.8	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+19.3	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+18.5	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	Grab Sample (GB12-3-4, collected 6/1/09 @ 11:40 AM)
		5						No staining/ No odors
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.0	
		8						No staining/ No odors
		9					0.0	
+11.5	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:21:21 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-13** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 23.5 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/1/09 / Date Finished: 6/1/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+23.5	Asphalt	0						
+22.8	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+21.3	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+20.5	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
		5						No staining/ No odors
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.0	
		8						No staining/ No odors
		9					0.0	
+13.5	End of Boring	10						Grab Sample (GB13-9-10, ~~collected 6/1/09 @ 12:10~~ PM) Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:21:22 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-14** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 22.2 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/1/09 / Date Finished: 6/1/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+22.2	Asphalt	0						
+21.5	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+20.0	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+19.2	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
		5						No staining/ No odors
		6						Grab Sample (GB14-5-6, collected on 6/1/09 @ 1:45 PM) Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		No staining/ No odors
		9					0.0	
+12.2	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:30:46 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-15** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 20.6 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/2/09 / Date Finished: 6/2/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+20.6	Asphalt						
+19.9	Concrete						The boring location was surveyed and is shown on the boring location plan
+18.4	3/4"-gravel with medium sand ant trace brick and wood [Fill]						
+17.6	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
						0.0	Grab Sample (GB15-4-5, collected 6/2/09 @ 8:00 AM) No staining/ No odors
							Cleared with Air Knife to 6 ft
		S-2 (6-10)	MACROCORE	48	NA	0.0	No staining/ No odors
						0.0	
+10.6	End of Boring						Geoprobe to 10 ft

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:30:47 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-16** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 18.6 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/2/09 / Date Finished: 6/2/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+18.6	Asphalt	0						
+17.9	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+16.4	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+15.6	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
		5						No staining/ No odors
		6						Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		No staining/ No odors
		9					0.0	Grab Sample (GB16-8-9, collected 6/2/09 @ 8:55 AM)
+8.6	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:30:48 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-17** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 14.9 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/2/09 / Date Finished: 6/2/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+14.9	Asphalt	0						
+14.2	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+12.7	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+11.9	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
		5						No staining/ No odors
		6						Cleared with Air Knife to 6 ft
		7					2.5	
		8	S-2 (6-10)	MACROCORE	48	NA		Heavy staining/ Petroleum odors
		9					35.3	Grab Sample (GB17-8-9, collected 6/2/09 @ 9:30 AM)
+4.9	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:30:49 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-18** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 17.3 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/2/09 / Date Finished: 6/2/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+17.3	Asphalt	0						
+16.6	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+15.1	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+14.3	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
		5						No staining/ No odors
		6						Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		Grab Sample (GB18-7-8, collected on 6/2/09 @ 10:15 AM) No staining/ No odors
		9					0.0	
+7.3	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:38:07 PM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-19** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 21.3 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/2/09 / Date Finished: 6/2/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1 / Undisturbed - / Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+21.3		0						
+20.8	Topsoil							
	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	1	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	The boring location was surveyed and is shown on the boring location plan
		2						
		3						Grab Sample (GB19-2-3, collected 6/2/09 @ 10:40 AM) No staining/ No odors
		4						
		5					0.0	
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.0	
		8						No staining/ No odors
		9					0.0	
+11.3		10						
	End of Boring	11						Geoprobe to 10 ft
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:38:08 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-20** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 19.1 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/29/09 / Date Finished: 5/29/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+19.1	Asphalt	0						
+18.4	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	1	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA		The boring location was surveyed and is shown on the boring location plan
		2					0.0	
		3						
		4						No staining/ Organic odors
		5					0.0	
		6						Cleared with Air Knife to 6 ft
		7	S-2 (6-10)	MACROCORE	48	NA	0.8	
		8						No staining/ Organic odors
		9					1.5	Grab Sample (GB20-8-9, collected 5/29/09 @ 9:15 AM)
+9.1	End of Boring	10						Geoprobe to 10 ft
		11						Set Soil Vapor Well @ 6 ft (SV-6)
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\APPENDICES\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 7/23/2009 3:50:03 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **GB-21** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 22.6 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 6/1/09 / Date Finished: 6/1/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1, Undisturbed -, Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA, Completion NA, 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+22.6	Asphalt	0						
+21.9	Concrete	1						The boring location was surveyed and is shown on the boring location plan
+20.4	3/4"-gravel with medium sand ant trace brick and wood [Fill]	2						
+19.6	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	No staining/ No odors
		4					0.0	
	Light brown medium, fine sand with some silt and gravel, and trace coal [Fill] **BC: 11-65**	5						No staining/ No odors
		6						Grab Sample (GB21-5-6, collected 6/1/09 @11:05 AM) Cleared with Air Knife to 6 ft
		7					0.0	
		8	S-2 (6-10)	MACROCORE	48	NA		No staining/ No odors
		9					0.0	
+12.6	End of Boring	10						Geoprobe to 10 ft
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 6/23/2009 3:38:12 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **SV-5** Sheet 1 of 1

Project: Rikers Island Co-Gen Plant	Project No.: 5817802
Location: Rikers Island, New York	Elevation and Datum: Approx. 19.4 Queens Highway Datum
Drilling Agency: Laurel Environmental	Date Started: 5/29/09 / Date Finished: 5/29/09
Drilling Equipment: Geoprobe	Completion Depth: 10 ft / Rock Depth: NA
Size and Type of Bit: 2" diameter macrocore (5' length)	Number of Samples: Disturbed 1 / Undisturbed - / Core 1
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: S. Bitetto
Sampler: 5' acetate Liner	Inspecting Engineer: J. Good
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+19.4	Asphalt	0						
	+18.7	Dark brown medium, course sand with some gravel and trace brick, wood, coal and glass [Fill] **BC: 11-65**	1						The boring location was surveyed and is shown on the boring location plan
			2						
			3	S-1 (0-6)	HAND CLEAR/ AIR KNIFE	NA	NA	0.0	
			4						Grab Sample (SV5-3-4, collected 5/29/09 @ 9:45 AM) No staining/ Organic odors
			5					0.0	
			6						Cleared with Air Knife to 6 ft
			7					1.3	
			8	S-2 (6-10)	MACROCORE	48	NA		No Staining/ Organic odors
			9					0.0	
	+9.4	End of Boring	10						Geoprobe to 10 ft
			11						Set Soil Vapor Well @ 6 ft (SV-5)
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

U:\DATA8\005817802\OFFICE DATA\REPORTS\ENVIRONMENTAL INVESTIGATION\APPENDICIES\GINT\RIKERS ISLAND BORING LOGS.GPJ ... 7/23/2009 3:53:00 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

SOIL VAPOR SAMPLING LOG SHEET
Sample No. SV-1

PROJECT: Rikers Island Cogeneration Plant	**PROJECT NO.:** 5817802
LOCATION: Rikers Island, Bronx, New York	**SURFACE ELEVATION AND DATUM:** Approximately 14 Queens Highway Datum
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates	**DATE STARTED:** 6/1/2009 **DATE FINISHED:** 6/1/2009
INSTALLATION EQUIPMENT: Geoprobe	**INSTALLATION FOREMAN:** S. Bitetto
TYPE OF SAMPLING DEVICE: 2.7 L Summa Canister	**INSPECTOR:** J. Good
POTENTIAL SAMPLE INTERFERENCES: Car Traffic	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** 72 F, Sunny, Wind Speed- 12 mph

METHOD OF INSTALLATION AND PURGING:
Installed in Geoprobe boring and purged with a PID.

TUBING TYPE/DIAMETER: 3/8-inch teflon tubing	**TYPE OF MATERIAL ABOVE SEAL:** sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 8-inch soil vapor screen	**SEAL MATERIAL (Bentonite, beeswax, modeling clay, etc.):** bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** glass beads

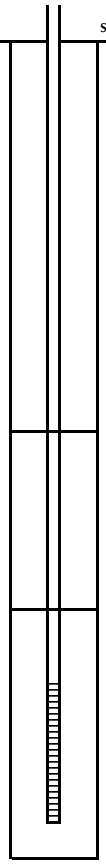
PID AFTER PURGE:	1.7 ppm
SAMPLE START TIME:	10:15 AM
SAMPLE STOP TIME:	11:10 AM
TOTAL SAMPLE TIME (MIN):	55 minutes
FLOW RATE (L/MIN):	Approx 0.45 l/min
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE:	1.1 ppm
SAMPLE MOISTURE CONTENT:	NA
CAN SERIAL NUMBER:	0213
CAN START VACUUM PRESS.:	27" Hg
CAN STOP VACUUM PRESS.:	8" Hg

SAMPLE LOCATION SKETCH

See Boring Location Map

**Include approx. scale, north arrow, distance from landmarks

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	1.5 ft bgs	
Top of Pack	4.5 ft bgs	
	6 ft bgs	



Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET
Sample No. SV-2

PROJECT: Rikers Island Cogeneration Plant	**PROJECT NO.:** 5817802
LOCATION: Rikers Island, Bronx, New York	**SURFACE ELEVATION AND DATUM:** Approximately 16 Queens Highway Datum
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates	**DATE STARTED:** 6/1/2009 **DATE FINISHED:** 6/1/2009
INSTALLATION EQUIPMENT: Geoprobe	**INSTALLATION FOREMAN:** S. Bitetto
TYPE OF SAMPLING DEVICE: 2.7 L Summa Canister	**INSPECTOR:** J. Good
POTENTIAL SAMPLE INTERFERENCES: Car Traffic	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** 72 F, Sunny, Wind Speed- 12 mph

METHOD OF INSTALLATION AND PURGING:
Installed in Geoprobe boring and purged with a PID.

TUBING TYPE/DIAMETER: 3/8-inch teflon tubing	**TYPE OF MATERIAL ABOVE SEAL:** sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 8-inch soil vapor screen	**SEAL MATERIAL (Bentonite, beeswax, modeling clay, etc.):** bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** glass beads

PID AFTER PURGE:	1.4 ppm
SAMPLE START TIME:	11:40 AM
SAMPLE STOP TIME:	12:40 PM
TOTAL SAMPLE TIME (MIN):	60 minutes
FLOW RATE (L/MIN):	Approx 0.45 l/min
VOLUME OF SAMPLE (LITERS):	2.7 l
PID AFTER SAMPLE:	0.7 ppm
SAMPLE MOISTURE CONTENT:	NA
CAN SERIAL NUMBER:	0215
CAN START VACUUM PRESS.:	30" Hg
CAN STOP VACUUM PRESS.:	7" Hg

SAMPLE LOCATION SKETCH

See Boring Location Map

**Include approx. scale, north arrow, distance from landmarks

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	1.5 ft bgs	
Top of Pack	4.5 ft bgs	
	6 ft bgs	

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET
Sample No. SV-3

PROJECT: Rikers Island Cogeneration Plant	**PROJECT NO.:** 5817802
LOCATION: Rikers Island, Bronx, New York	**SURFACE ELEVATION AND DATUM:** Approximately 15.3 Queens Highway Datum
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates	**DATE STARTED:** 6/1/2009 **DATE FINISHED:** 6/1/2009
INSTALLATION EQUIPMENT: Geoprobe	**INSTALLATION FOREMAN:** S. Bitetto
TYPE OF SAMPLING DEVICE: 2.7 L Summa Canister	**INSPECTOR:** J. Good
POTENTIAL SAMPLE INTERFERENCES: Car Traffic	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** 72 F, Sunny, Wind Speed- 12 mph

METHOD OF INSTALLATION AND PURGING:
Installed in Geoprobe boring and purged with a PID.

TUBING TYPE/DIAMETER: 3/8-inch teflon tubing	**TYPE OF MATERIAL ABOVE SEAL:** sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 8-inch soil vapor screen	**SEAL MATERIAL (Bentonite, beeswax, modeling clay, etc.):** bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** glass beads

PID AFTER PURGE:	1.2 ppm
SAMPLE START TIME:	9:35 AM
SAMPLE STOP TIME:	10:45 PM
TOTAL SAMPLE TIME (MIN):	70 minutes
FLOW RATE (L/MIN):	Approx 0.45 l/min
VOLUME OF SAMPLE (LITERS):	2.7 l
PID AFTER SAMPLE:	0.5 ppm
SAMPLE MOISTURE CONTENT:	NA
CAN SERIAL NUMBER:	0383
CAN START VACUUM PRESS.:	30" Hg
CAN STOP VACUUM PRESS.:	8" Hg

SAMPLE LOCATION SKETCH

See Boring Location Map

**Include approx. scale, north arrow, distance from landmarks

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	1.5 ft bgs	
Top of Pack	4.5 ft bgs	
	6 ft bgs	

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET
Sample No. SV-4

PROJECT: Rikers Island Cogeneration Plant	**PROJECT NO.:** 5817802
LOCATION: Rikers Island, Bronx, New York	**SURFACE ELEVATION AND DATUM:** Approximately 16.5 Queens Highway Datum
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates	**DATE STARTED:** 6/1/2009 **DATE FINISHED:** 6/1/2009
INSTALLATION EQUIPMENT: Geoprobe	**INSTALLATION FOREMAN:** S. Bitetto
TYPE OF SAMPLING DEVICE: 2.7 L Summa Canister	**INSPECTOR:** J. Good
POTENTIAL SAMPLE INTERFERENCES: Car Traffic	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** 72 F, Sunny, Wind Speed- 12 mph

METHOD OF INSTALLATION AND PURGING:
Installed in Geoprobe boring and purged with a PID.

TUBING TYPE/DIAMETER: 3/8-inch teflon tubing	**TYPE OF MATERIAL ABOVE SEAL:** sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 8-inch soil vapor screen	**SEAL MATERIAL (Bentonite, beeswax, modeling clay, etc.):** bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** glass beads

PID AFTER PURGE:	1.1 ppm
SAMPLE START TIME:	12:00 PM
SAMPLE STOP TIME:	12:55 PM
TOTAL SAMPLE TIME (MIN):	55 minutes
FLOW RATE (L/MIN):	Approx 0.45 l/min
VOLUME OF SAMPLE (LITERS):	2.7 l
PID AFTER SAMPLE:	0.6 ppm
SAMPLE MOISTURE CONTENT:	NA
CAN SERIAL NUMBER:	0143
CAN START VACUUM PRESS.:	30" Hg
CAN STOP VACUUM PRESS.:	6" Hg

SAMPLE LOCATION SKETCH

See Boring Location Map

**Include approx. scale, north arrow, distance from landmarks

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	1.5 ft bgs	
Top of Pack	4.5 ft bgs	
	6 ft bgs	

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET
Sample No. SV-5

PROJECT: Rikers Island Cogeneration Plant	**PROJECT NO.:** 5817802
LOCATION: Rikers Island, Bronx, New York	**SURFACE ELEVATION AND DATUM:** Approximately 19.4 Queens Highway Datum
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates	**DATE STARTED:** 6/1/2009 **DATE FINISHED:** 6/1/2009
INSTALLATION EQUIPMENT: Geoprobe	**INSTALLATION FOREMAN:** S. Bitetto
TYPE OF SAMPLING DEVICE: 2.7 L Summa Canister	**INSPECTOR:** J. Good
POTENTIAL SAMPLE INTERFERENCES: Car Traffic	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** 72 F, Sunny, Wind Speed- 12 mph

METHOD OF INSTALLATION AND PURGING:
Installed in Geoprobe boring and purged with a PID.

TUBING TYPE/DIAMETER: 3/8-inch teflon tubing	**TYPE OF MATERIAL ABOVE SEAL:** sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 8-inch soil vapor screen	**SEAL MATERIAL (Bentonite, beeswax, modeling clay, etc.):** bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** glass beads

PID AFTER PURGE:	1.8 ppm
SAMPLE START TIME:	1:30 PM
SAMPLE STOP TIME:	2:30PM
TOTAL SAMPLE TIME (MIN):	60 minutes
FLOW RATE (L/MIN):	Approx 0.45 l/min
VOLUME OF SAMPLE (LITERS):	2.7 l
PID AFTER SAMPLE:	0.7 ppm
SAMPLE MOISTURE CONTENT:	NA
CAN SERIAL NUMBER:	0119
CAN START VACUUM PRESS.:	30" Hg
CAN STOP VACUUM PRESS.:	7" Hg

SAMPLE LOCATION SKETCH

See Boring Location Map

**Include approx. scale, north arrow, distance from landmarks

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	1.5 ft bgs	
Top of Pack	4.5 ft bgs	
	6 ft bgs	

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET
Sample No. SV-6

PROJECT: Rikers Island Cogeneration Plant	**PROJECT NO.:** 5817802
LOCATION: Rikers Island, Bronx, New York	**SURFACE ELEVATION AND DATUM:** Approximately 19.1 Queens Highway Datum
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates	**DATE STARTED:** 6/1/2009 **DATE FINISHED:** 6/1/2009
INSTALLATION EQUIPMENT: Geoprobe	**INSTALLATION FOREMAN:** S. Bitetto
TYPE OF SAMPLING DEVICE: 2.7 L Summa Canister	**INSPECTOR:** J. Good
POTENTIAL SAMPLE INTERFERENCES: Car Traffic	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** 80 F, Sunny, Wind Speed- 8 mph

METHOD OF INSTALLATION AND PURGING:
Installed in Geoprobe boring and purged with a PID.

TUBING TYPE/DIAMETER: 3/8-inch teflon tubing	**TYPE OF MATERIAL ABOVE SEAL:** sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 8-inch soil vapor screen	**SEAL MATERIAL (Bentonite, beeswax, modeling clay, etc.):** bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** glass beads

PID AFTER PURGE:	0.2 ppm
SAMPLE START TIME:	11:30 AM
SAMPLE STOP TIME:	12:30 PM
TOTAL SAMPLE TIME (MIN):	60 minutes
FLOW RATE (L/MIN):	Approx 0.45 l/min
VOLUME OF SAMPLE (LITERS):	2.7 l
PID AFTER SAMPLE:	0.2 ppm
SAMPLE MOISTURE CONTENT:	NA
CAN SERIAL NUMBER:	216
CAN START VACUUM PRESS.:	30" Hg
CAN STOP VACUUM PRESS.:	7" Hg

SAMPLE LOCATION SKETCH

See Boring Location Map

**Include approx. scale, north arrow, distance from landmarks

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	1.5 ft bgs	
Top of Pack	4.5 ft bgs	
	6 ft bgs	

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX C
CHAIN OF CUSTODY DOCUMENTATION

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street 4th FLR, New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817807
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817807

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: NJ Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP RCRA Metals, SVOCs, pesticides, herbicides	TCLP VOCs			Sample Specific Comments	TOTAL # BOTTLES
	Comp 4	6/1/09	1000	S	JFG	X	X (JFG)	X	X	X	X	X	X	X				4 jars, No TCL VOC (JFG)	
	GB11-7-8	6/1/09	1005	S	JFG											X			
	Comp 5	6/1/09	1235	S	JFG	X	X (JFG)	X	X	X	X	X	X	X				4 jars, NO TCL VOC (JG)	
	GB13-3-4	6/1/09	1230	S	JFG											X			
	GB11-3-4	6/1/09	1005	S	JFG	X												Encore	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

	Relinquished By:	Date/Time	Received By:	Date/Time
Container Type				
Preservative				
	Joseph J. Good	6/1/09 1540	Scott	6/1/09 1540

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP RCRA Metals, SVOCs, pesticides, herbicides	TCLP VOCs		Sample Specific Comments	Total # Bottles
	Comp 6	6/2/09	910	S	JFG		X	X	X	X	X	X	X	X	X			
	GB 15-6-9	6/2/09	830	S	JFG											X		
	GB 15-7-8	6/2/09	825	S	JFG	X											Encore	
	Comp 7	6/2/09	1045	S	JFG		X	X	X	X	X	X	X	X	X			
	GB 18-[redacted]5-6	6/2/09	1005	S	JFG											X		
	GB 18-4-5	6/2/09	1000	S	JFG	X											Encore	

Container Type	E	A	A	A	A	A	A	A	A	A	
Preservative											

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 4th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817402
Project Manager: Jason Hayes
ALPHA Quote #: Rikers Island

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817402

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: NJ Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP/RCRA metals, SVOCs, pesticides, herbicides	TCLP VOCs	Sample Specific Comments	Total # Bottles
	Comp 1	5/29	805	S	JFG		X	X	X	X	X	X	X	X		4 jars	
	GB1-2-3	5/28	12:30PM	S	JFG		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	only TCLP VOCs	
	Comp 2	5/29	900	S	JFG		X	X	X	X	X	X	X	X		4 jars	
	GB4-9-10	5/28	1:00PM	S	JFG										X		
	Comp 3	5/29	9:30	S	JFG		X	X	X	X	X	X	X	X		4 jars	
	GB5-3-4	5/28	145PM	S	JFG										X		
	Comp 8	5/29	1050	S	JFG		X	X	X	X	X	X	X	X		4 jars	
	GB20-9-10	5/29	920	S	JFG										X		
	GB1-3-4	5/28	125PM	S	JFG	X										Encore	
	GB5-4-5	5/28	200PM	S	JFG	X										Encore	
					Container Type	E											
					Preservative												

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph J. Fitzgerald	5/29 1450	[illegible]	5/29/15 1450

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 8th FLR, New York, NY 10001
Phone: 212, 479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #:
Project Manager: Jason Hayes
ALPHA Quote #: Rikers Island

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5417802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NJ Disposal Waste Classificatio

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL VOCs

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	Sample Specific Comments	Total # Bottles
	GB20-8-9	5/29	835	S	JFG	X	Encore	
	GB9-6-7	5/29	1158	S	JFG	X	Encore	

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/29 1450	[signature]	5/29/15 1450

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA TECHNICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 8th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817802
Project Manager: Jason Hayes
ALPHA Quote #: Langan

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NJ Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL VOCs 8260

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total # Bottles
	GB1-6-7	5/28/09	1215	S	JFG	X		
	GB6-7-8	5/28/09	940	S	JFG	X		
	GB4-8-9	5/28/09	1251	S	JFG	X		
Container Type						E		
Preservative								

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph F. Good	5/28/09 1515	[illegible]	5/28/09 1515

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals					Sample Specific Comments	TOTAL # BOTTLES
	B4-4-6	6/5/09	815AM	S	DP	X	X	X	X	X	X					3 jars	
	B6-1-3	6/4/09	855AM	S	DP	X	X	X	X	X	X					3 jars	
	B5-3-5	6/3/09	845AM	S	DP	X	X	X	X	X	X					3 jars	

Container Type	A	A	A	A	A	A					
Preservative											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/8/09 11:20	[signature]	6/8/09 11:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals	Sample Specific Comments	TOTAL # BOTTLES
	B8(OW)-3-5	6/09/09	915	S	DP	X	X	X	X	X	X	3 jars	
	B7(OW)-2-4	6/10/09	845	S	DP	X	X	X	X	X	X	3 jars	
	B10-5-7	6/12/09	855	S	DP	X	X	X	X	X	X	3 jars	
	Container Type					A	A	A	A	A	A		
	Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Jeremy Good	6/15/09	SUDC/E	6/15/09 1230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jehayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program | Criteria: NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals							Sample Specific Comments	TOTAL # BOTTLES
	GB11-7-8	6/1/09	1030	S	JFG	X	X	X	X	X	X							3 jars	
	GB21-5-6	6/1/09	1105	S	JFG	X	X	X	X	X	X							3 jars	
	GB12-3-4	6/1/09	1140	S	JFG	X	X	X	X	X	X							3 jars	
	GB13-9-10	6/1/09	1210	S	JFG	X	X	X	X	X	X							3 jars	
	GB14-5-6	6/1/09	140PM	S	JFG	X	X	X	X	X	X							3 jars	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph J. Good	6/1/09 15:40	[illegible]	6/1/09 15:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF

ALPHA TICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, sgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals							Sample Specific Comments	TOTAL # BOTTLES
	GB16-8-9	6/2/09	855	S	JFG	X	X	X	X	X	X							3 jars	
	GB15-4-5	6/2/09	800	S	JFG	X	X	X	X	X	X							3 jars	
	GB17-8-9	6/2/09	930	S	JFG	X	X	X	X	X	X							3 jars	
	GB18-7-8	6/2/09	1015	S	JFG	X	X	X	X	X	X							3 jars	
	GB19-2-3	6/2/09	1040	S	JFG	X	X	X	X	X	X							3 jars	
	B3-2-3	6/2/09	945	S	JFG	X	X	X	X	X	X							3 jars	

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type	A	A	A	A	A	A						
Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W 31st Street 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers Island

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals					Sample Specific Comments	TOTAL # BOTTLES
	GB8-5-6	5/29	240PM	S	JFG	X	X	X	X	X	X					3 jars	
	GB20-8-9	5/29	915	S	JFG	X	X	X	X	X	X					3 jars	
	GB9-8-9	5/29	1155	S	JFG	X	X	X	X	X	X					3 jars	
	GB10-3-4	5/29	1255PM	S	JFG	X	X	X	X	X	X					3 jars	
	B2(aw)-2-3	5/29	130PM	S	JFG	X	X	X	X	X	X					3 jars	
	SV5-3-4	5/29	945	S	JFG	X	X	X	X	X	X					3 jars	

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type												
Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph F Good	5/29/09	[illegible signature]	5/29 1450

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th Fl
New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Langan

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration ______
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals						Sample Specific Comments	TOTAL # BOTTLES
	GB7-6-7	5/28/09	1015	S	JFG	X	X	X	X	X	X						3 jars	
	GB6-3-4	5/27/09	935	S	JFG	X	X	X	X	X	X						3 jars	
	B-1(OW) 5-6	5/28/09	1030	S	JFG	X	X	X	X	X	X						3 jars	
	GB2-9-10	5/26/09	1152	S	JFG	X	X	X	X	X	X						3 jars	
	GB1-7-8	5/28/09	1215	S	JFG	X	X	X	X	X	X						3 jars	
	GB3-2-3	5/27/09	845	S	JFG	X	X	X	X	X	X						3 jars	
	GB4-7-8	5/28/09	130PM	S	JFG	X	X	X	X	X	X						3 jars	
	GB5-8-9	5/28/09	142PM	S	JFG	X	X	X	X	X	X						3 jars	
					Container Type	A	A	A	A	A	A							
					Preservative													

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph F. Good	5/28/09 1515	[signature]	5/28/09 1515

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

06080914:56

Date Rec'd in Lab:

ALPHA Job #: L0907044

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 5th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817502
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard 10 DAYS ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX
☑ ADEx
Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 5817502

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15*	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L0907044-1	SV-3-6/01/09	6/1/09	935AM	1045AM	30"	8"	SV	JFG	2.7L	0383	0445		X						*TO-15 + methane
-2	SV-1-6/01/09	6/1/09	1015AM	1110AM	27"	6"	SV	JFG	2.7L	0213	0441		X						*TO-15 + methane
-3	SV-2-6/01/09	6/1/09	1140AM	1240PM	30"	7"	SV	JFG	2.7L	0215	0287		X						*TO-15 + methane
-4	SV-4-6/01/09	6/1/09	1200PM	1255PM	30"	6"	SV	JFG	2.7L	0143	0364		X						*TO-15 + methane
-5	SV-5-6/01/09	6/1/09	130PM	230PM	30"	7"	SV	JFG	2.7L	0119	0332		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible]	6/1/09 8:40	[illegible]	6/1/09 15:40
[illegible]	6-1-09 18:00	[illegible]	6-1-09 18:00
[illegible]	6-1-09 21:00	[illegible]	6/2/09 10:00
[illegible]	6/2/09 10:35	[illegible]	6/2/09 10:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (rev.1-Feb-08)

AIR ANALYSIS

PAGE 1 OF

ALPHA ANALYTICAL

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering
Address: 360 W 31st Street, 5th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817802
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard (10 DAYS) ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX
☑ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15 + Methane	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
	SV6-6/2/09	6/2/09	1130		30"		SV	JFG	2.7	216	0371		X						* TO-15 + methane

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Joseph J. Good		[illegible]	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (rev.1-Feb-08)

APPENDIX D
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L0906901
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/04/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0906901-01	GB7-6-7	RIKERS ISLAND, NY	05/28/09 10:15
L0906901-02	GB6-3-4	RIKERS ISLAND, NY	05/27/09 09:35
L0906901-03	B-1(OW) 5-6	RIKERS ISLAND, NY	05/28/09 10:30
L0906901-04	GB2-9-10	RIKERS ISLAND, NY	05/28/09 11:52
L0906901-05	GB1-7-8	RIKERS ISLAND, NY	05/28/09 12:15
L0906901-06	GB3-2-3	RIKERS ISLAND, NY	05/27/09 08:45
L0906901-07	GB4-7-8	RIKERS ISLAND, NY	05/28/09 13:30
L0906901-08	GB5-8-9	RIKERS ISLAND, NY	05/28/09 13:42

Project Name: RIKERS ISLAND **Lab Number:** L0906901
Project Number: 5817802 **Report Date:** 06/04/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics

The surrogate recovery for L0906901-04 is above the acceptance criteria for 1,2-Dichloroethane-d4 (139%). Since the sample was non-detect for all target analytes, re-analysis is not required.

Semivolatile Organics-SIM

The WG364401-2/-3 LCS/LCSD RPD associated with L0906901-01 through -08 is above the acceptance criteria for Pentachlorophenol (59%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906901
Project Number:	5817802	**Report Date:**	06/04/09

Case Narrative (continued)

Pesticides

L0906901-02 through -06 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

The surrogate recovery for L0906901-06 is outside the individual acceptance criteria for Decachlorobiphenyl (156%), but within the overall method allowances. The results of the original analysis are reported.

Herbicides

The surrogate recovery for L0906901-04 is outside the individual acceptance criteria for DCAA (27%), but within the overall method allowances. The results of the original analysis are reported.

The surrogate recoveries for L0906901-05 were below the acceptance criteria for DCAA (23%/18%); however, re-extraction was not performed per client request.

The WG364358-2 LCS recoveries associated with L0906901-01 through -08 were below the acceptance 2,4-D (16%) and 2,4,5-T (24%). The results of the associated samples are reported. In addition the WG364358-2/-3 LCS/LCSD RPDs were above acceptance criteria for 2,4-D (145%) and 2,4,5-T (122%).

The WG364358-2/-3 LCS/LCSD RPD associated with L0906901-01 through-08 is above the acceptance criteria for 2,4,5-TP (Silvex) (54%). The results of the associated samples are reported.

Metals

L0906901-01 through -08 have elevated detection limits for Iron due to the dilutions required to quantitate the results within the calibration range.

The WG364500-4 MS recoveries for Aluminum (1300%), Iron (8660%), Magnesium (195%) and Manganese (433%), associated with L0906901-08, are invalid because the sample concentration is greater than four times the spike amount added.

The WG364500-4 MS recoveries associated with L0906901-08 are outside of the acceptance criteria for Antimony (25%), Lead (195%) and Potassium (152%). A post digestion spike was performed with acceptable recoveries of Antimony (102%), Lead (111%) and Potassium (90%).

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906901
Project Number:	5817802	**Report Date:**	06/04/09

Case Narrative (continued)

Mercury

L0906901-05 has an elevated detection limit for Mercury due to the analytical dilution required to quantitate the result within the calibration range.

The WG364731-3 Laboratory Duplicate RPD associated with L0906901-08 is outside the acceptance criteria for Mercury (168%) . The elevated RPD has been attributed to the non-homogenous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/04/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/30/09 20:23		
Analyst:	PD		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	27	1
1,1-Dichloroethane	ND		ug/kg	4.1	1
Chloroform	ND		ug/kg	4.1	1
Carbon tetrachloride	ND		ug/kg	2.7	1
1,2-Dichloropropane	ND		ug/kg	9.5	1
Dibromochloromethane	ND		ug/kg	2.7	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1
Tetrachloroethene	ND		ug/kg	2.7	1
Chlorobenzene	ND		ug/kg	2.7	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.7	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	1
Bromodichloromethane	ND		ug/kg	2.7	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	1
Benzene	ND		ug/kg	2.7	1
Toluene	ND		ug/kg	4.1	1
Ethylbenzene	ND		ug/kg	2.7	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.4	1
Vinyl chloride	ND		ug/kg	5.4	1
Chloroethane	ND		ug/kg	5.4	1
1,1-Dichloroethene	ND		ug/kg	2.7	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1
Trichloroethene	ND		ug/kg	2.7	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.4	1
p/m-Xylene	ND		ug/kg	5.4	1
o-Xylene	ND		ug/kg	5.4	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	1
Dibromomethane	ND		ug/kg	27	1
Styrene	ND		ug/kg	5.4	1
Dichlorodifluoromethane	ND		ug/kg	27	1
Acetone	ND		ug/kg	27	1
Carbon disulfide	ND		ug/kg	27	1
2-Butanone	ND		ug/kg	27	1
Vinyl acetate	ND		ug/kg	27	1
4-Methyl-2-pentanone	ND		ug/kg	27	1
1,2,3-Trichloropropane	ND		ug/kg	27	1
2-Hexanone	ND		ug/kg	27	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.7	1
sec-Butylbenzene	ND		ug/kg	2.7	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.7	1
p-Isopropyltoluene	ND		ug/kg	2.7	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	27	1
n-Propylbenzene	ND		ug/kg	2.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	88		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/30/09 20:59		
Analyst:	PD		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	28	1
1,1-Dichloroethane	ND		ug/kg	4.3	1
Chloroform	ND		ug/kg	4.3	1
Carbon tetrachloride	ND		ug/kg	2.8	1
1,2-Dichloropropane	ND		ug/kg	9.9	1
Dibromochloromethane	ND		ug/kg	2.8	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1
Tetrachloroethene	ND		ug/kg	2.8	1
Chlorobenzene	ND		ug/kg	2.8	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.8	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	1
Bromodichloromethane	ND		ug/kg	2.8	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	1
Benzene	ND		ug/kg	2.8	1
Toluene	ND		ug/kg	4.3	1
Ethylbenzene	ND		ug/kg	2.8	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.7	1
Vinyl chloride	ND		ug/kg	5.7	1
Chloroethane	ND		ug/kg	5.7	1
1,1-Dichloroethene	ND		ug/kg	2.8	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1
Trichloroethene	ND		ug/kg	2.8	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-02 Date Collected: 05/27/09 09:35

Client ID: GB6-3-4 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.7	1
p/m-Xylene	ND		ug/kg	5.7	1
o-Xylene	ND		ug/kg	5.7	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	1
Dibromomethane	ND		ug/kg	28	1
Styrene	ND		ug/kg	5.7	1
Dichlorodifluoromethane	ND		ug/kg	28	1
Acetone	ND		ug/kg	28	1
Carbon disulfide	ND		ug/kg	28	1
2-Butanone	ND		ug/kg	28	1
Vinyl acetate	ND		ug/kg	28	1
4-Methyl-2-pentanone	ND		ug/kg	28	1
1,2,3-Trichloropropane	ND		ug/kg	28	1
2-Hexanone	ND		ug/kg	28	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.8	1
sec-Butylbenzene	ND		ug/kg	2.8	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.8	1
p-Isopropyltoluene	ND		ug/kg	2.8	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	28	1
n-Propylbenzene	ND		ug/kg	2.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	88		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/30/09 21:36		
Analyst:	PD		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	30	1
1,1-Dichloroethane	ND		ug/kg	4.5	1
Chloroform	ND		ug/kg	4.5	1
Carbon tetrachloride	ND		ug/kg	3.0	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	3.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1
Tetrachloroethene	ND		ug/kg	3.0	1
Chlorobenzene	ND		ug/kg	3.0	1
Trichlorofluoromethane	ND		ug/kg	15	1
1,2-Dichloroethane	ND		ug/kg	3.0	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	1
Bromodichloromethane	ND		ug/kg	3.0	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	1
1,1-Dichloropropene	ND		ug/kg	15	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	1
Benzene	ND		ug/kg	3.0	1
Toluene	ND		ug/kg	4.5	1
Ethylbenzene	ND		ug/kg	3.0	1
Chloromethane	ND		ug/kg	15	1
Bromomethane	ND		ug/kg	6.0	1
Vinyl chloride	ND		ug/kg	6.0	1
Chloroethane	ND		ug/kg	6.0	1
1,1-Dichloroethene	ND		ug/kg	3.0	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1
Trichloroethene	ND		ug/kg	3.0	1
1,2-Dichlorobenzene	ND		ug/kg	15	1
1,3-Dichlorobenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	15	1
Methyl tert butyl ether	ND		ug/kg	6.0	1
p/m-Xylene	ND		ug/kg	6.0	1
o-Xylene	ND		ug/kg	6.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	1
Dibromomethane	ND		ug/kg	30	1
Styrene	ND		ug/kg	6.0	1
Dichlorodifluoromethane	ND		ug/kg	30	1
Acetone	ND		ug/kg	30	1
Carbon disulfide	ND		ug/kg	30	1
2-Butanone	ND		ug/kg	30	1
Vinyl acetate	ND		ug/kg	30	1
4-Methyl-2-pentanone	ND		ug/kg	30	1
1,2,3-Trichloropropane	ND		ug/kg	30	1
2-Hexanone	ND		ug/kg	30	1
Bromochloromethane	ND		ug/kg	15	1
2,2-Dichloropropane	ND		ug/kg	15	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1
Bromobenzene	ND		ug/kg	15	1
n-Butylbenzene	ND		ug/kg	3.0	1
sec-Butylbenzene	ND		ug/kg	3.0	1
tert-Butylbenzene	ND		ug/kg	15	1
o-Chlorotoluene	ND		ug/kg	15	1
p-Chlorotoluene	ND		ug/kg	15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	15	1
Isopropylbenzene	ND		ug/kg	3.0	1
p-Isopropyltoluene	ND		ug/kg	3.0	1
Naphthalene	ND		ug/kg	15	1
Acrylonitrile	ND		ug/kg	30	1
n-Propylbenzene	ND		ug/kg	3.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	81		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/30/09 22:12		
Analyst:	PD		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	32	1
1,1-Dichloroethane	ND		ug/kg	4.7	1
Chloroform	ND		ug/kg	4.7	1
Carbon tetrachloride	ND		ug/kg	3.2	1
1,2-Dichloropropane	ND		ug/kg	11	1
Dibromochloromethane	ND		ug/kg	3.2	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1
Tetrachloroethene	ND		ug/kg	3.2	1
Chlorobenzene	ND		ug/kg	3.2	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.2	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	1
Bromodichloromethane	ND		ug/kg	3.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	1
Benzene	ND		ug/kg	3.2	1
Toluene	ND		ug/kg	4.7	1
Ethylbenzene	ND		ug/kg	3.2	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.3	1
Vinyl chloride	ND		ug/kg	6.3	1
Chloroethane	ND		ug/kg	6.3	1
1,1-Dichloroethene	ND		ug/kg	3.2	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1
Trichloroethene	ND		ug/kg	3.2	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.3	1
p/m-Xylene	ND		ug/kg	6.3	1
o-Xylene	ND		ug/kg	6.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	1
Dibromomethane	ND		ug/kg	32	1
Styrene	ND		ug/kg	6.3	1
Dichlorodifluoromethane	ND		ug/kg	32	1
Acetone	ND		ug/kg	32	1
Carbon disulfide	ND		ug/kg	32	1
2-Butanone	ND		ug/kg	32	1
Vinyl acetate	ND		ug/kg	32	1
4-Methyl-2-pentanone	ND		ug/kg	32	1
1,2,3-Trichloropropane	ND		ug/kg	32	1
2-Hexanone	ND		ug/kg	32	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.2	1
sec-Butylbenzene	ND		ug/kg	3.2	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.2	1
p-Isopropyltoluene	ND		ug/kg	3.2	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	32	1
n-Propylbenzene	ND		ug/kg	3.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**139**		70-130
Toluene-d8	130		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	111		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/30/09 22:48		
Analyst:	PD		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	30	1
1,1-Dichloroethane	ND		ug/kg	4.5	1
Chloroform	ND		ug/kg	4.5	1
Carbon tetrachloride	ND		ug/kg	3.0	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	3.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1
Tetrachloroethene	ND		ug/kg	3.0	1
Chlorobenzene	ND		ug/kg	3.0	1
Trichlorofluoromethane	ND		ug/kg	15	1
1,2-Dichloroethane	ND		ug/kg	3.0	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	1
Bromodichloromethane	ND		ug/kg	3.0	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	1
1,1-Dichloropropene	ND		ug/kg	15	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	1
Benzene	ND		ug/kg	3.0	1
Toluene	ND		ug/kg	4.5	1
Ethylbenzene	ND		ug/kg	3.0	1
Chloromethane	ND		ug/kg	15	1
Bromomethane	ND		ug/kg	6.0	1
Vinyl chloride	ND		ug/kg	6.0	1
Chloroethane	ND		ug/kg	6.0	1
1,1-Dichloroethene	ND		ug/kg	3.0	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1
Trichloroethene	ND		ug/kg	3.0	1
1,2-Dichlorobenzene	ND		ug/kg	15	1
1,3-Dichlorobenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-05 Date Collected: 05/28/09 12:15

Client ID: GB1-7-8 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	15	1
Methyl tert butyl ether	ND		ug/kg	6.0	1
p/m-Xylene	ND		ug/kg	6.0	1
o-Xylene	ND		ug/kg	6.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	1
Dibromomethane	ND		ug/kg	30	1
Styrene	ND		ug/kg	6.0	1
Dichlorodifluoromethane	ND		ug/kg	30	1
Acetone	ND		ug/kg	30	1
Carbon disulfide	ND		ug/kg	30	1
2-Butanone	ND		ug/kg	30	1
Vinyl acetate	ND		ug/kg	30	1
4-Methyl-2-pentanone	ND		ug/kg	30	1
1,2,3-Trichloropropane	ND		ug/kg	30	1
2-Hexanone	ND		ug/kg	30	1
Bromochloromethane	ND		ug/kg	15	1
2,2-Dichloropropane	ND		ug/kg	15	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1
Bromobenzene	ND		ug/kg	15	1
n-Butylbenzene	ND		ug/kg	3.0	1
sec-Butylbenzene	ND		ug/kg	3.0	1
tert-Butylbenzene	ND		ug/kg	15	1
o-Chlorotoluene	ND		ug/kg	15	1
p-Chlorotoluene	ND		ug/kg	15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	15	1
Isopropylbenzene	ND		ug/kg	3.0	1
p-Isopropyltoluene	ND		ug/kg	3.0	1
Naphthalene	ND		ug/kg	15	1
Acrylonitrile	ND		ug/kg	30	1
n-Propylbenzene	ND		ug/kg	3.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	83		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/30/09 23:24		
Analyst:	PD		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	27	1
1,1-Dichloroethane	ND		ug/kg	4.1	1
Chloroform	ND		ug/kg	4.1	1
Carbon tetrachloride	ND		ug/kg	2.7	1
1,2-Dichloropropane	ND		ug/kg	9.6	1
Dibromochloromethane	ND		ug/kg	2.7	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1
Tetrachloroethene	ND		ug/kg	2.7	1
Chlorobenzene	ND		ug/kg	2.7	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.7	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	1
Bromodichloromethane	ND		ug/kg	2.7	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	1
Benzene	ND		ug/kg	2.7	1
Toluene	ND		ug/kg	4.1	1
Ethylbenzene	ND		ug/kg	2.7	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.5	1
Vinyl chloride	ND		ug/kg	5.5	1
Chloroethane	ND		ug/kg	5.5	1
1,1-Dichloroethene	ND		ug/kg	2.7	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1
Trichloroethene	ND		ug/kg	2.7	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-06 Date Collected: 05/27/09 08:45

Client ID: GB3-2-3 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.5	1
p/m-Xylene	ND		ug/kg	5.5	1
o-Xylene	ND		ug/kg	5.5	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	1
Dibromomethane	ND		ug/kg	27	1
Styrene	ND		ug/kg	5.5	1
Dichlorodifluoromethane	ND		ug/kg	27	1
Acetone	ND		ug/kg	27	1
Carbon disulfide	ND		ug/kg	27	1
2-Butanone	ND		ug/kg	27	1
Vinyl acetate	ND		ug/kg	27	1
4-Methyl-2-pentanone	ND		ug/kg	27	1
1,2,3-Trichloropropane	ND		ug/kg	27	1
2-Hexanone	ND		ug/kg	27	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.7	1
sec-Butylbenzene	ND		ug/kg	2.7	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.7	1
p-Isopropyltoluene	ND		ug/kg	2.7	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	27	1
n-Propylbenzene	ND		ug/kg	2.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	82		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/31/09 00:00		
Analyst:	PD		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	29	1
1,1-Dichloroethane	ND		ug/kg	4.3	1
Chloroform	ND		ug/kg	4.3	1
Carbon tetrachloride	ND		ug/kg	2.9	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	2.9	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1
Tetrachloroethene	ND		ug/kg	2.9	1
Chlorobenzene	ND		ug/kg	2.9	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.9	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	1
Bromodichloromethane	ND		ug/kg	2.9	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	1
Benzene	ND		ug/kg	2.9	1
Toluene	ND		ug/kg	4.3	1
Ethylbenzene	ND		ug/kg	2.9	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.7	1
Vinyl chloride	ND		ug/kg	5.7	1
Chloroethane	ND		ug/kg	5.7	1
1,1-Dichloroethene	ND		ug/kg	2.9	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1
Trichloroethene	ND		ug/kg	2.9	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.7	1
p/m-Xylene	ND		ug/kg	5.7	1
o-Xylene	ND		ug/kg	5.7	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	1
Dibromomethane	ND		ug/kg	29	1
Styrene	ND		ug/kg	5.7	1
Dichlorodifluoromethane	ND		ug/kg	29	1
Acetone	ND		ug/kg	29	1
Carbon disulfide	ND		ug/kg	29	1
2-Butanone	ND		ug/kg	29	1
Vinyl acetate	ND		ug/kg	29	1
4-Methyl-2-pentanone	ND		ug/kg	29	1
1,2,3-Trichloropropane	ND		ug/kg	29	1
2-Hexanone	ND		ug/kg	29	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.9	1
sec-Butylbenzene	ND		ug/kg	2.9	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.9	1
p-Isopropyltoluene	ND		ug/kg	2.9	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	29	1
n-Propylbenzene	ND		ug/kg	2.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-07 Date Collected: 05/28/09 13:30

Client ID: GB4-7-8 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	82		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/31/09 00:36		
Analyst:	PD		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	28	1
1,1-Dichloroethane	ND		ug/kg	4.3	1
Chloroform	ND		ug/kg	4.3	1
Carbon tetrachloride	ND		ug/kg	2.8	1
1,2-Dichloropropane	ND		ug/kg	9.9	1
Dibromochloromethane	ND		ug/kg	2.8	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1
Tetrachloroethene	ND		ug/kg	2.8	1
Chlorobenzene	ND		ug/kg	2.8	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.8	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	1
Bromodichloromethane	ND		ug/kg	2.8	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	1
Benzene	ND		ug/kg	2.8	1
Toluene	ND		ug/kg	4.3	1
Ethylbenzene	ND		ug/kg	2.8	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.7	1
Vinyl chloride	ND		ug/kg	5.7	1
Chloroethane	ND		ug/kg	5.7	1
1,1-Dichloroethene	ND		ug/kg	2.8	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1
Trichloroethene	ND		ug/kg	2.8	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-08 Date Collected: 05/28/09 13:42

Client ID: GB5-8-9 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.7	1
p/m-Xylene	ND		ug/kg	5.7	1
o-Xylene	ND		ug/kg	5.7	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	1
Dibromomethane	ND		ug/kg	28	1
Styrene	ND		ug/kg	5.7	1
Dichlorodifluoromethane	ND		ug/kg	28	1
Acetone	ND		ug/kg	28	1
Carbon disulfide	ND		ug/kg	28	1
2-Butanone	ND		ug/kg	28	1
Vinyl acetate	ND		ug/kg	28	1
4-Methyl-2-pentanone	ND		ug/kg	28	1
1,2,3-Trichloropropane	ND		ug/kg	28	1
2-Hexanone	ND		ug/kg	28	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.8	1
sec-Butylbenzene	ND		ug/kg	2.8	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.8	1
p-Isopropyltoluene	ND		ug/kg	2.8	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	28	1
n-Propylbenzene	ND		ug/kg	2.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	85		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/30/09 19:10
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG364590-3				
Methylene chloride	ND		ug/kg	5.0
1,1-Dichloroethane	ND		ug/kg	0.75
Chloroform	ND		ug/kg	0.75
Carbon tetrachloride	ND		ug/kg	0.50
1,2-Dichloropropane	ND		ug/kg	1.8
Dibromochloromethane	ND		ug/kg	0.50
1,1,2-Trichloroethane	ND		ug/kg	0.75
Tetrachloroethene	ND		ug/kg	0.50
Chlorobenzene	ND		ug/kg	0.50
Trichlorofluoromethane	ND		ug/kg	2.5
1,2-Dichloroethane	ND		ug/kg	0.50
1,1,1-Trichloroethane	ND		ug/kg	0.50
Bromodichloromethane	ND		ug/kg	0.50
trans-1,3-Dichloropropene	ND		ug/kg	0.50
cis-1,3-Dichloropropene	ND		ug/kg	0.50
1,1-Dichloropropene	ND		ug/kg	2.5
Bromoform	ND		ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50
Benzene	ND		ug/kg	0.50
Toluene	ND		ug/kg	0.75
Ethylbenzene	ND		ug/kg	0.50
Chloromethane	ND		ug/kg	2.5
Bromomethane	ND		ug/kg	1.0
Vinyl chloride	ND		ug/kg	1.0
Chloroethane	ND		ug/kg	1.0
1,1-Dichloroethene	ND		ug/kg	0.50
trans-1,2-Dichloroethene	ND		ug/kg	0.75
Trichloroethene	ND		ug/kg	0.50
1,2-Dichlorobenzene	ND		ug/kg	2.5
1,3-Dichlorobenzene	ND		ug/kg	2.5
1,4-Dichlorobenzene	ND		ug/kg	2.5

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/30/09 19:10
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG364590-3				
Methyl tert butyl ether	ND		ug/kg	1.0
p/m-Xylene	ND		ug/kg	1.0
o-Xylene	ND		ug/kg	1.0
cis-1,2-Dichloroethene	ND		ug/kg	0.50
Dibromomethane	ND		ug/kg	5.0
Styrene	ND		ug/kg	1.0
Dichlorodifluoromethane	ND		ug/kg	5.0
Acetone	ND		ug/kg	5.0
Carbon disulfide	ND		ug/kg	5.0
2-Butanone	ND		ug/kg	5.0
Vinyl acetate	ND		ug/kg	5.0
4-Methyl-2-pentanone	ND		ug/kg	5.0
1,2,3-Trichloropropane	ND		ug/kg	5.0
2-Hexanone	ND		ug/kg	5.0
Bromochloromethane	ND		ug/kg	2.5
2,2-Dichloropropane	ND		ug/kg	2.5
1,2-Dibromoethane	ND		ug/kg	2.0
1,3-Dichloropropane	ND		ug/kg	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50
Bromobenzene	ND		ug/kg	2.5
n-Butylbenzene	ND		ug/kg	0.50
sec-Butylbenzene	ND		ug/kg	0.50
tert-Butylbenzene	ND		ug/kg	2.5
o-Chlorotoluene	ND		ug/kg	2.5
p-Chlorotoluene	ND		ug/kg	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5
Hexachlorobutadiene	ND		ug/kg	2.5
Isopropylbenzene	ND		ug/kg	0.50
p-Isopropyltoluene	ND		ug/kg	0.50
Naphthalene	ND		ug/kg	2.5
Acrylonitrile	ND		ug/kg	5.0

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/30/09 19:10
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG364590-3				
n-Propylbenzene	ND		ug/kg	0.50
1,2,3-Trichlorobenzene	ND		ug/kg	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	2.5
1,3,5-Trimethylbenzene	ND		ug/kg	2.5
1,2,4-Trimethylbenzene	ND		ug/kg	2.5
1,4-Diethylbenzene	ND		ug/kg	2.0
4-Ethyltoluene	ND		ug/kg	2.0
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0
Ethyl ether	ND		ug/kg	2.5
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG364590-1 WG364590-2					
Chlorobenzene	90	85	60-133	6	30
Benzene	92	87	66-142	6	30
Toluene	89	83	59-139	7	30
1,1-Dichloroethene	87	83	59-172	5	30
Trichloroethene	91	88	62-137	3	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	98		97		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 03:59		
Analyst:	HL		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	14	1
2-Chloronaphthalene	ND		ug/kg	14	1
Fluoranthene	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	36	1
Naphthalene	ND		ug/kg	14	1
Benzo(a)anthracene	ND		ug/kg	14	1
Benzo(a)pyrene	ND		ug/kg	14	1
Benzo(b)fluoranthene	ND		ug/kg	14	1
Benzo(k)fluoranthene	ND		ug/kg	14	1
Chrysene	ND		ug/kg	14	1
Acenaphthylene	ND		ug/kg	14	1
Anthracene	ND		ug/kg	14	1
Benzo(ghi)perylene	ND		ug/kg	14	1
Fluorene	ND		ug/kg	14	1
Phenanthrene	ND		ug/kg	14	1
Dibenzo(a,h)anthracene	ND		ug/kg	14	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	14	1
Pyrene	ND		ug/kg	14	1
2-Methylnaphthalene	ND		ug/kg	14	1
Pentachlorophenol	ND		ug/kg	58	1
Hexachlorobenzene	ND		ug/kg	58	1
Hexachloroethane	ND		ug/kg	58	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	38		30-120
2,4,6-Tribromophenol	38		19-120
4-Terphenyl-d14	41		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 12:16		
Analyst:	AK		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	360	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	1
1,2-Dichlorobenzene	ND		ug/kg	360	1
1,3-Dichlorobenzene	ND		ug/kg	360	1
1,4-Dichlorobenzene	ND		ug/kg	360	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	1
2,4-Dinitrotoluene	ND		ug/kg	360	1
2,6-Dinitrotoluene	ND		ug/kg	360	1
4-Chlorophenyl phenyl ether	ND		ug/kg	360	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	1
Hexachlorocyclopentadiene	ND		ug/kg	720	1
Isophorone	ND		ug/kg	360	1
Nitrobenzene	ND		ug/kg	360	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	360	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	1
Butyl benzyl phthalate	ND		ug/kg	360	1
Di-n-butylphthalate	ND		ug/kg	360	1
Di-n-octylphthalate	ND		ug/kg	360	1
Diethyl phthalate	ND		ug/kg	360	1
Dimethyl phthalate	ND		ug/kg	360	1
Biphenyl	ND		ug/kg	360	1
4-Chloroaniline	ND		ug/kg	360	1
2-Nitroaniline	ND		ug/kg	360	1
3-Nitroaniline	ND		ug/kg	360	1
4-Nitroaniline	ND		ug/kg	510	1
Dibenzofuran	ND		ug/kg	360	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1400	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	360	1
P-Chloro-M-Cresol	ND		ug/kg	360	1
2-Chlorophenol	ND		ug/kg	430	1
2,4-Dichlorophenol	ND		ug/kg	720	1
2,4-Dimethylphenol	ND		ug/kg	360	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	720	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
4,6-Dinitro-o-cresol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	510	1
2-Methylphenol	ND		ug/kg	430	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	430	1
2,4,5-Trichlorophenol	ND		ug/kg	360	1
Benzoic Acid	ND		ug/kg	3600	1
Benzyl Alcohol	ND		ug/kg	720	1
Carbazole	ND		ug/kg	360	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	29		19-120
4-Terphenyl-d14	35		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 12:16		
Analyst:	HL		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	36		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	610		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	38	1
Naphthalene	23		ug/kg	15	1
Benzo(a)anthracene	310		ug/kg	15	1
Benzo(a)pyrene	270		ug/kg	15	1
Benzo(b)fluoranthene	390		ug/kg	15	1
Benzo(k)fluoranthene	140		ug/kg	15	1
Chrysene	350		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	82		ug/kg	15	1
Benzo(ghi)perylene	170		ug/kg	15	1
Fluorene	28		ug/kg	15	1
Phenanthrene	390		ug/kg	15	1
Dibenzo(a,h)anthracene	56		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	150		ug/kg	15	1
Pyrene	560		ug/kg	15	1
2-Methylnaphthalene	19		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	61	1
Hexachlorobenzene	ND		ug/kg	61	1
Hexachloroethane	ND		ug/kg	61	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	35		19-120
4-Terphenyl-d14	60		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 12:40		
Analyst:	AK		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	760	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	760	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	760	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	530	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-02 Date Collected: 05/27/09 09:35

Client ID: GB6-3-4 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	450	1
2,4-Dichlorophenol	ND		ug/kg	760	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	760	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	530	1
2-Methylphenol	ND		ug/kg	450	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	450	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	760	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	28		19-120
4-Terphenyl-d14	48		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 12:47		
Analyst:	HL		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	35		ug/kg	16	1
2-Chloronaphthalene	ND		ug/kg	16	1
Fluoranthene	660		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	40	1
Naphthalene	35		ug/kg	16	1
Benzo(a)anthracene	380		ug/kg	16	1
Benzo(a)pyrene	360		ug/kg	16	1
Benzo(b)fluoranthene	570		ug/kg	16	1
Benzo(k)fluoranthene	160		ug/kg	16	1
Chrysene	450		ug/kg	16	1
Acenaphthylene	16		ug/kg	16	1
Anthracene	91		ug/kg	16	1
Benzo(ghi)perylene	210		ug/kg	16	1
Fluorene	36		ug/kg	16	1
Phenanthrene	370		ug/kg	16	1
Dibenzo(a,h)anthracene	71		ug/kg	16	1
Indeno(1,2,3-cd)Pyrene	190		ug/kg	16	1
Pyrene	640		ug/kg	16	1
2-Methylnaphthalene	32		ug/kg	16	1
Pentachlorophenol	ND		ug/kg	63	1
Hexachlorobenzene	ND		ug/kg	63	1
Hexachloroethane	ND		ug/kg	63	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	85		19-120
4-Terphenyl-d14	94		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 13:03		
Analyst:	AK		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	400	1
Bis(2-chloroethyl)ether	ND		ug/kg	400	1
1,2-Dichlorobenzene	ND		ug/kg	400	1
1,3-Dichlorobenzene	ND		ug/kg	400	1
1,4-Dichlorobenzene	ND		ug/kg	400	1
3,3'-Dichlorobenzidine	ND		ug/kg	790	1
2,4-Dinitrotoluene	ND		ug/kg	400	1
2,6-Dinitrotoluene	ND		ug/kg	400	1
4-Chlorophenyl phenyl ether	ND		ug/kg	400	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	1
Hexachlorocyclopentadiene	ND		ug/kg	790	1
Isophorone	ND		ug/kg	400	1
Nitrobenzene	ND		ug/kg	400	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	400	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	790	1
Butyl benzyl phthalate	ND		ug/kg	400	1
Di-n-butylphthalate	ND		ug/kg	400	1
Di-n-octylphthalate	ND		ug/kg	400	1
Diethyl phthalate	ND		ug/kg	400	1
Dimethyl phthalate	ND		ug/kg	400	1
Biphenyl	ND		ug/kg	400	1
4-Chloroaniline	ND		ug/kg	400	1
2-Nitroaniline	ND		ug/kg	400	1
3-Nitroaniline	ND		ug/kg	400	1
4-Nitroaniline	ND		ug/kg	560	1
Dibenzofuran	ND		ug/kg	400	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	400	1
P-Chloro-M-Cresol	ND		ug/kg	400	1
2-Chlorophenol	ND		ug/kg	480	1
2,4-Dichlorophenol	ND		ug/kg	790	1
2,4-Dimethylphenol	ND		ug/kg	400	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	790	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	560	1
2-Methylphenol	ND		ug/kg	480	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	480	1
2,4,5-Trichlorophenol	ND		ug/kg	400	1
Benzoic Acid	ND		ug/kg	4000	1
Benzyl Alcohol	ND		ug/kg	790	1
Carbazole	ND		ug/kg	400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	63		19-120
4-Terphenyl-d14	72		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 04:30		
Analyst:	HL		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	48		ug/kg	17	1
2-Chloronaphthalene	28		ug/kg	17	1
Fluoranthene	930		ug/kg	17	1
Hexachlorobutadiene	ND		ug/kg	42	1
Naphthalene	84		ug/kg	17	1
Benzo(a)anthracene	620		ug/kg	17	1
Benzo(a)pyrene	690		ug/kg	17	1
Benzo(b)fluoranthene	870		ug/kg	17	1
Benzo(k)fluoranthene	290		ug/kg	17	1
Chrysene	690		ug/kg	17	1
Acenaphthylene	48		ug/kg	17	1
Anthracene	140		ug/kg	17	1
Benzo(ghi)perylene	540		ug/kg	17	1
Fluorene	68		ug/kg	17	1
Phenanthrene	440		ug/kg	17	1
Dibenzo(a,h)anthracene	180		ug/kg	17	1
Indeno(1,2,3-cd)Pyrene	460		ug/kg	17	1
Pyrene	960		ug/kg	17	1
2-Methylnaphthalene	27		ug/kg	17	1
Pentachlorophenol	ND		ug/kg	68	1
Hexachlorobenzene	ND		ug/kg	68	1
Hexachloroethane	ND		ug/kg	68	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	106		19-120
4-Terphenyl-d14	108		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 13:27		
Analyst:	AK		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	420	1
Bis(2-chloroethyl)ether	ND		ug/kg	420	1
1,2-Dichlorobenzene	ND		ug/kg	420	1
1,3-Dichlorobenzene	ND		ug/kg	420	1
1,4-Dichlorobenzene	ND		ug/kg	420	1
3,3'-Dichlorobenzidine	ND		ug/kg	840	1
2,4-Dinitrotoluene	ND		ug/kg	420	1
2,6-Dinitrotoluene	ND		ug/kg	420	1
4-Chlorophenyl phenyl ether	ND		ug/kg	420	1
4-Bromophenyl phenyl ether	ND		ug/kg	420	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	1
Bis(2-chloroethoxy)methane	ND		ug/kg	420	1
Hexachlorocyclopentadiene	ND		ug/kg	840	1
Isophorone	ND		ug/kg	420	1
Nitrobenzene	ND		ug/kg	420	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	420	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	840	1
Butyl benzyl phthalate	ND		ug/kg	420	1
Di-n-butylphthalate	ND		ug/kg	420	1
Di-n-octylphthalate	ND		ug/kg	420	1
Diethyl phthalate	ND		ug/kg	420	1
Dimethyl phthalate	ND		ug/kg	420	1
Biphenyl	ND		ug/kg	420	1
4-Chloroaniline	ND		ug/kg	420	1
2-Nitroaniline	ND		ug/kg	420	1
3-Nitroaniline	ND		ug/kg	420	1
4-Nitroaniline	ND		ug/kg	590	1
Dibenzofuran	ND		ug/kg	420	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	420	1
P-Chloro-M-Cresol	ND		ug/kg	420	1
2-Chlorophenol	ND		ug/kg	510	1
2,4-Dichlorophenol	ND		ug/kg	840	1
2,4-Dimethylphenol	ND		ug/kg	420	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	840	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	590	1
2-Methylphenol	ND		ug/kg	510	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	1
2,4,5-Trichlorophenol	ND		ug/kg	420	1
Benzoic Acid	ND		ug/kg	4200	1
Benzyl Alcohol	ND		ug/kg	840	1
Carbazole	ND		ug/kg	420	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	80		19-120
4-Terphenyl-d14	95		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 13:17		
Analyst:	HL		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	28		ug/kg	16	1
2-Chloronaphthalene	ND		ug/kg	16	1
Fluoranthene	1400		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	40	1
Naphthalene	70		ug/kg	16	1
Benzo(a)anthracene	1100		ug/kg	16	1
Benzo(a)pyrene	1100		ug/kg	16	1
Benzo(b)fluoranthene	1500		ug/kg	16	1
Benzo(k)fluoranthene	480		ug/kg	16	1
Chrysene	1200		ug/kg	16	1
Acenaphthylene	50		ug/kg	16	1
Anthracene	160		ug/kg	16	1
Benzo(ghi)perylene	700		ug/kg	16	1
Fluorene	35		ug/kg	16	1
Phenanthrene	570		ug/kg	16	1
Dibenzo(a,h)anthracene	240		ug/kg	16	1
Indeno(1,2,3-cd)Pyrene	660		ug/kg	16	1
Pyrene	1500		ug/kg	16	1
2-Methylnaphthalene	16		ug/kg	16	1
Pentachlorophenol	ND		ug/kg	64	1
Hexachlorobenzene	ND		ug/kg	64	1
Hexachloroethane	ND		ug/kg	64	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	84		19-120
4-Terphenyl-d14	86		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 13:51		
Analyst:	AK		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	400	1
Bis(2-chloroethyl)ether	ND		ug/kg	400	1
1,2-Dichlorobenzene	ND		ug/kg	400	1
1,3-Dichlorobenzene	ND		ug/kg	400	1
1,4-Dichlorobenzene	ND		ug/kg	400	1
3,3'-Dichlorobenzidine	ND		ug/kg	800	1
2,4-Dinitrotoluene	ND		ug/kg	400	1
2,6-Dinitrotoluene	ND		ug/kg	400	1
4-Chlorophenyl phenyl ether	ND		ug/kg	400	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	1
Hexachlorocyclopentadiene	ND		ug/kg	800	1
Isophorone	ND		ug/kg	400	1
Nitrobenzene	ND		ug/kg	400	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	400	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	800	1
Butyl benzyl phthalate	ND		ug/kg	400	1
Di-n-butylphthalate	ND		ug/kg	400	1
Di-n-octylphthalate	ND		ug/kg	400	1
Diethyl phthalate	ND		ug/kg	400	1
Dimethyl phthalate	ND		ug/kg	400	1
Biphenyl	ND		ug/kg	400	1
4-Chloroaniline	ND		ug/kg	400	1
2-Nitroaniline	ND		ug/kg	400	1
3-Nitroaniline	ND		ug/kg	400	1
4-Nitroaniline	ND		ug/kg	560	1
Dibenzofuran	ND		ug/kg	400	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	400	1
P-Chloro-M-Cresol	ND		ug/kg	400	1
2-Chlorophenol	ND		ug/kg	480	1
2,4-Dichlorophenol	ND		ug/kg	800	1
2,4-Dimethylphenol	ND		ug/kg	400	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	800	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	560	1
2-Methylphenol	ND		ug/kg	480	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	480	1
2,4,5-Trichlorophenol	ND		ug/kg	400	1
Benzoic Acid	ND		ug/kg	4000	1
Benzyl Alcohol	ND		ug/kg	800	1
Carbazole	ND		ug/kg	400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	63		19-120
4-Terphenyl-d14	69		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 13:48		
Analyst:	HL		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	58		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	910		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	77		ug/kg	15	1
Benzo(a)anthracene	460		ug/kg	15	1
Benzo(a)pyrene	500		ug/kg	15	1
Benzo(b)fluoranthene	720		ug/kg	15	1
Benzo(k)fluoranthene	250		ug/kg	15	1
Chrysene	540		ug/kg	15	1
Acenaphthylene	22		ug/kg	15	1
Anthracene	160		ug/kg	15	1
Benzo(ghi)perylene	190		ug/kg	15	1
Fluorene	73		ug/kg	15	1
Phenanthrene	580		ug/kg	15	1
Dibenzo(a,h)anthracene	66		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	180		ug/kg	15	1
Pyrene	840		ug/kg	15	1
2-Methylnaphthalene	61		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	59	1
Hexachlorobenzene	ND		ug/kg	59	1
Hexachloroethane	ND		ug/kg	59	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	65		19-120
4-Terphenyl-d14	90		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 14:16		
Analyst:	AK		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	730	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	730	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	510	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	440	1
2,4-Dichlorophenol	ND		ug/kg	730	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	730	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	510	1
2-Methylphenol	ND		ug/kg	440	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	730	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	56		19-120
4-Terphenyl-d14	74		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 05:00		
Analyst:	HL		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	17		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	380		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	38	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	220		ug/kg	15	1
Benzo(a)pyrene	230		ug/kg	15	1
Benzo(b)fluoranthene	310		ug/kg	15	1
Benzo(k)fluoranthene	97		ug/kg	15	1
Chrysene	270		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	58		ug/kg	15	1
Benzo(ghi)perylene	170		ug/kg	15	1
Fluorene	24		ug/kg	15	1
Phenanthrene	250		ug/kg	15	1
Dibenzo(a,h)anthracene	65		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	140		ug/kg	15	1
Pyrene	380		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	61	1
Hexachlorobenzene	ND		ug/kg	61	1
Hexachloroethane	ND		ug/kg	61	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	103		19-120
4-Terphenyl-d14	92		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 14:40		
Analyst:	AK		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	770	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	770	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	770	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-07 Date Collected: 05/28/09 13:30

Client ID: GB4-7-8 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	770	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	770	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	770	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	92		19-120
4-Terphenyl-d14	87		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:24
Analytical Date:	06/02/09 05:31		
Analyst:	HL		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	36		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	38	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	23		ug/kg	15	1
Benzo(a)pyrene	24		ug/kg	15	1
Benzo(b)fluoranthene	31		ug/kg	15	1
Benzo(k)fluoranthene	16		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	20		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	18		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	37		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	61	1
Hexachlorobenzene	ND		ug/kg	61	1
Hexachloroethane	ND		ug/kg	61	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	42		19-120
4-Terphenyl-d14	59		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	05/29/09 13:20
Analytical Date:	06/02/09 15:03		
Analyst:	AK		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	760	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	760	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	760	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	530	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	450	1
2,4-Dichlorophenol	ND		ug/kg	760	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	760	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	530	1
2-Methylphenol	ND		ug/kg	450	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	450	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	760	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	33		19-120
4-Terphenyl-d14	46		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/29/09 15:50
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 05/29/09 13:20

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG364397-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/29/09 15:50
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 05/29/09 13:20

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG364397-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	106		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	115		19-120
4-Terphenyl-d14	100		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/29/09 19:29
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 05/29/09 13:24

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG364401-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/29/09 19:29
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 05/29/09 13:24

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG364401-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	101		19-120
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG364397-2 WG364397-3					
1,2,4-Trichlorobenzene	81	85	38-107	5	50
1,2-Dichlorobenzene	83	82	40-140	1	50
1,4-Dichlorobenzene	80	77	28-104	4	50
2,4-Dinitrotoluene	87	85	28-89	2	50
2,6-Dinitrotoluene	76	83	40-140	9	50
4-Chlorophenyl phenyl ether	88	88	40-140	0	50
n-Nitrosodi-n-propylamine	83	80	41-126	4	50
Butyl benzyl phthalate	92	92	40-140	0	50
P-Chloro-M-Cresol	82	88	26-103	7	50
2-Chlorophenol	83	81	25-102	2	50
2-Nitrophenol	82	83	30-130	1	50
4-Nitrophenol	87	83	11-114	5	50
2,4-Dinitrophenol	7	10	4-130	33	50
Pentachlorophenol	71	70	17-109	1	50
Phenol	87	85	26-90	2	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG364397-2 WG364397-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		85		25-120
Phenol-d6	66		87		10-120
Nitrobenzene-d5	64		82		23-120
2-Fluorobiphenyl	64		90		30-120
2,4,6-Tribromophenol	72		96		19-120
4-Terphenyl-d14	68		90		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG364401-2 WG364401-3

Acenaphthene	74	79	31-137	7	50
2-Chloronaphthalene	89	100	40-140	12	50
Fluoranthene	88	86	40-140	2	50
Anthracene	78	81	40-140	4	50
Pyrene	89	84	35-142	6	50
Pentachlorophenol	31	57	17-109	**59**	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0906901

Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG364401-2 WG364401-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		86		25-120
Phenol-d6	78		88		10-120
Nitrobenzene-d5	77		93		23-120
2-Fluorobiphenyl	71		85		30-120
2,4,6-Tribromophenol	94		101		19-120
4-Terphenyl-d14	85		84		18-120

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/02/09 17:48	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	36.2	1
Aroclor 1221	ND		ug/kg	36.2	1
Aroclor 1232	ND		ug/kg	36.2	1
Aroclor 1242	ND		ug/kg	36.2	1
Aroclor 1248	ND		ug/kg	36.2	1
Aroclor 1254	ND		ug/kg	36.2	1
Aroclor 1260	ND		ug/kg	36.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/03/09 13:52	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1260	562		ug/kg	37.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/03/09 13:52	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	37.9	1
Aroclor 1221	ND		ug/kg	37.9	1
Aroclor 1232	ND		ug/kg	37.9	1
Aroclor 1242	ND		ug/kg	37.9	1
Aroclor 1248	ND		ug/kg	37.9	1
Aroclor 1254	ND		ug/kg	37.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/03/09 14:06	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1260	60.6		ug/kg	39.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/03/09 14:06	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	39.7	1
Aroclor 1221	ND		ug/kg	39.7	1
Aroclor 1232	ND		ug/kg	39.7	1
Aroclor 1242	ND		ug/kg	39.7	1
Aroclor 1248	ND		ug/kg	39.7	1
Aroclor 1254	ND		ug/kg	39.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/02/09 18:25	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	42.2	1
Aroclor 1221	ND		ug/kg	42.2	1
Aroclor 1232	ND		ug/kg	42.2	1
Aroclor 1242	ND		ug/kg	42.2	1
Aroclor 1248	ND		ug/kg	42.2	1
Aroclor 1254	ND		ug/kg	42.2	1
Aroclor 1260	ND		ug/kg	42.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/02/09 18:38	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	40.2	1
Aroclor 1221	ND		ug/kg	40.2	1
Aroclor 1232	ND		ug/kg	40.2	1
Aroclor 1242	ND		ug/kg	40.2	1
Aroclor 1248	ND		ug/kg	40.2	1
Aroclor 1254	ND		ug/kg	40.2	1
Aroclor 1260	ND		ug/kg	40.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/02/09 18:50	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	36.6	1
Aroclor 1221	ND		ug/kg	36.6	1
Aroclor 1232	ND		ug/kg	36.6	1
Aroclor 1242	ND		ug/kg	36.6	1
Aroclor 1248	ND		ug/kg	36.6	1
Aroclor 1254	ND		ug/kg	36.6	1
Aroclor 1260	ND		ug/kg	36.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/02/09 19:02	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.3	1
Aroclor 1221	ND		ug/kg	38.3	1
Aroclor 1232	ND		ug/kg	38.3	1
Aroclor 1242	ND		ug/kg	38.3	1
Aroclor 1248	ND		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	38.3	1
Aroclor 1260	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	37		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	05/29/09 19:32
Analytical Date:	06/02/09 20:28	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/02/09
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	37.9	1
Aroclor 1221	ND		ug/kg	37.9	1
Aroclor 1232	ND		ug/kg	37.9	1
Aroclor 1242	ND		ug/kg	37.9	1
Aroclor 1248	ND		ug/kg	37.9	1
Aroclor 1254	ND		ug/kg	37.9	1
Aroclor 1260	ND		ug/kg	37.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/02/09 14:32
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 05/29/09 19:32
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/02/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG364493-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0906901

Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG364493-2 WG364493-3					
Aroclor 1016	81	82	40-140	1	30
Aroclor 1260	70	76	40-140	8	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	A
Decachlorobiphenyl	55		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		69		30-150	B
Decachlorobiphenyl	75		75		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 01:09	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.63	1
Lindane	ND		ug/kg	3.63	1
Alpha-BHC	ND		ug/kg	3.63	1
Beta-BHC	ND		ug/kg	3.63	1
Heptachlor	ND		ug/kg	3.63	1
Aldrin	ND		ug/kg	3.63	1
Heptachlor epoxide	ND		ug/kg	3.63	1
Endrin	ND		ug/kg	3.63	1
Endrin ketone	ND		ug/kg	3.63	1
Dieldrin	ND		ug/kg	3.63	1
4,4'-DDE	ND		ug/kg	3.63	1
4,4'-DDD	ND		ug/kg	3.63	1
4,4'-DDT	ND		ug/kg	3.63	1
Endosulfan I	ND		ug/kg	3.63	1
Endosulfan II	ND		ug/kg	3.63	1
Endosulfan sulfate	ND		ug/kg	3.63	1
Methoxychlor	ND		ug/kg	14.5	1
trans-Chlordane	ND		ug/kg	3.63	1
Chlordane	ND		ug/kg	36.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-01	Date Collected:	05/28/09 10:15
Client ID:	GB7-6-7	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 18:37		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.036	1
2,4,5-T	ND		mg/kg	0.036	1
2,4,5-TP (Silvex)	ND		mg/kg	0.036	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	88		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 02:29	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	76.0	20
Lindane	ND		ug/kg	76.0	20
Alpha-BHC	ND		ug/kg	76.0	20
Beta-BHC	ND		ug/kg	76.0	20
Heptachlor	ND		ug/kg	76.0	20
Aldrin	ND		ug/kg	76.0	20
Heptachlor epoxide	ND		ug/kg	76.0	20
Endrin	ND		ug/kg	76.0	20
Endrin ketone	ND		ug/kg	76.0	20
Dieldrin	ND		ug/kg	76.0	20
4,4'-DDE	ND		ug/kg	76.0	20
4,4'-DDD	ND		ug/kg	76.0	20
4,4'-DDT	ND		ug/kg	76.0	20
Endosulfan I	ND		ug/kg	76.0	20
Endosulfan II	ND		ug/kg	76.0	20
Endosulfan sulfate	ND		ug/kg	76.0	20
Methoxychlor	ND		ug/kg	304	20
trans-Chlordane	ND		ug/kg	76.0	20
Chlordane	ND		ug/kg	760	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-02	Date Collected:	05/27/09 09:35
Client ID:	GB6-3-4	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 18:57		
Analyst:	JB		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.038	1
2,4,5-T	ND		mg/kg	0.038	1
2,4,5-TP (Silvex)	ND		mg/kg	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	65		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 02:42	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	79.5	20
Lindane	ND		ug/kg	79.5	20
Alpha-BHC	ND		ug/kg	79.5	20
Beta-BHC	ND		ug/kg	79.5	20
Heptachlor	ND		ug/kg	79.5	20
Aldrin	ND		ug/kg	79.5	20
Heptachlor epoxide	ND		ug/kg	79.5	20
Endrin	ND		ug/kg	79.5	20
Endrin ketone	ND		ug/kg	79.5	20
Dieldrin	ND		ug/kg	79.5	20
4,4'-DDE	ND		ug/kg	79.5	20
4,4'-DDD	ND		ug/kg	79.5	20
4,4'-DDT	ND		ug/kg	79.5	20
Endosulfan I	ND		ug/kg	79.5	20
Endosulfan II	ND		ug/kg	79.5	20
Endosulfan sulfate	ND		ug/kg	79.5	20
Methoxychlor	ND		ug/kg	318	20
trans-Chlordane	ND		ug/kg	79.5	20
Chlordane	ND		ug/kg	795	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-03	Date Collected:	05/28/09 10:30
Client ID:	B-1(OW) 5-6	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 19:17		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.040	1
2,4,5-T	ND		mg/kg	0.040	1
2,4,5-TP (Silvex)	ND		mg/kg	0.040	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	103		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 01:49	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	21.1	5
Lindane	ND		ug/kg	21.1	5
Alpha-BHC	ND		ug/kg	21.1	5
Beta-BHC	ND		ug/kg	21.1	5
Heptachlor	ND		ug/kg	21.1	5
Aldrin	ND		ug/kg	21.1	5
Heptachlor epoxide	ND		ug/kg	21.1	5
Endrin	ND		ug/kg	21.1	5
Endrin ketone	ND		ug/kg	21.1	5
Dieldrin	ND		ug/kg	21.1	5
4,4'-DDE	ND		ug/kg	21.1	5
4,4'-DDD	ND		ug/kg	21.1	5
4,4'-DDT	ND		ug/kg	21.1	5
Endosulfan I	ND		ug/kg	21.1	5
Endosulfan II	ND		ug/kg	21.1	5
Endosulfan sulfate	ND		ug/kg	21.1	5
Methoxychlor	ND		ug/kg	84.5	5
trans-Chlordane	ND		ug/kg	21.1	5
Chlordane	ND		ug/kg	211	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-04	Date Collected:	05/28/09 11:52
Client ID:	GB2-9-10	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 19:37		
Analyst:	JB		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.042	1
2,4,5-T	ND		mg/kg	0.042	1
2,4,5-TP (Silvex)	ND		mg/kg	0.042	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	33		30-150	A
DCAA	**27**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 02:02	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	20.1	5
Lindane	ND		ug/kg	20.1	5
Alpha-BHC	ND		ug/kg	20.1	5
Beta-BHC	ND		ug/kg	20.1	5
Heptachlor	ND		ug/kg	20.1	5
Aldrin	ND		ug/kg	20.1	5
Heptachlor epoxide	ND		ug/kg	20.1	5
Endrin	ND		ug/kg	20.1	5
Endrin ketone	ND		ug/kg	20.1	5
Dieldrin	ND		ug/kg	20.1	5
4,4'-DDE	ND		ug/kg	20.1	5
4,4'-DDD	ND		ug/kg	20.1	5
4,4'-DDT	ND		ug/kg	20.1	5
Endosulfan I	ND		ug/kg	20.1	5
Endosulfan II	ND		ug/kg	20.1	5
Endosulfan sulfate	ND		ug/kg	20.1	5
Methoxychlor	ND		ug/kg	80.4	5
trans-Chlordane	ND		ug/kg	20.1	5
Chlordane	ND		ug/kg	201	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-05	Date Collected:	05/28/09 12:15
Client ID:	GB1-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 19:57		
Analyst:	JB		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.040	1
2,4,5-T	ND		mg/kg	0.040	1
2,4,5-TP (Silvex)	ND		mg/kg	0.040	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**23**		30-150	A
DCAA	**18**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 02:56	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	73.0	20
Lindane	ND		ug/kg	73.0	20
Alpha-BHC	ND		ug/kg	73.0	20
Beta-BHC	ND		ug/kg	73.0	20
Heptachlor	ND		ug/kg	73.0	20
Aldrin	ND		ug/kg	73.0	20
Heptachlor epoxide	ND		ug/kg	73.0	20
Endrin	ND		ug/kg	73.0	20
Endrin ketone	ND		ug/kg	73.0	20
Dieldrin	ND		ug/kg	73.0	20
4,4'-DDE	ND		ug/kg	73.0	20
4,4'-DDD	ND		ug/kg	73.0	20
4,4'-DDT	ND		ug/kg	73.0	20
Endosulfan I	ND		ug/kg	73.0	20
Endosulfan II	ND		ug/kg	73.0	20
Endosulfan sulfate	ND		ug/kg	73.0	20
Methoxychlor	ND		ug/kg	292	20
trans-Chlordane	ND		ug/kg	73.0	20
Chlordane	ND		ug/kg	730	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	**156**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-06	Date Collected:	05/27/09 08:45
Client ID:	GB3-2-3	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 20:17		
Analyst:	JB		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.037	1
2,4,5-T	ND		mg/kg	0.037	1
2,4,5-TP (Silvex)	ND		mg/kg	0.037	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	51		30-150	A
DCAA	50		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 01:22	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.83	1
Lindane	ND		ug/kg	3.83	1
Alpha-BHC	ND		ug/kg	3.83	1
Beta-BHC	ND		ug/kg	3.83	1
Heptachlor	ND		ug/kg	3.83	1
Aldrin	ND		ug/kg	3.83	1
Heptachlor epoxide	ND		ug/kg	3.83	1
Endrin	ND		ug/kg	3.83	1
Endrin ketone	ND		ug/kg	3.83	1
Dieldrin	ND		ug/kg	3.83	1
4,4'-DDE	ND		ug/kg	3.83	1
4,4'-DDD	ND		ug/kg	3.83	1
4,4'-DDT	ND		ug/kg	3.83	1
Endosulfan I	ND		ug/kg	3.83	1
Endosulfan II	ND		ug/kg	3.83	1
Endosulfan sulfate	ND		ug/kg	3.83	1
Methoxychlor	ND		ug/kg	15.3	1
trans-Chlordane	ND		ug/kg	3.83	1
Chlordane	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-07	Date Collected:	05/28/09 13:30
Client ID:	GB4-7-8	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 20:37		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.038	1
2,4,5-T	ND		mg/kg	0.038	1
2,4,5-TP (Silvex)	ND		mg/kg	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	121		30-150	A
DCAA	126		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8081A	Extraction Date:	05/29/09 11:49
Analytical Date:	06/03/09 01:36	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/02/09
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.79	1
Lindane	ND		ug/kg	3.79	1
Alpha-BHC	ND		ug/kg	3.79	1
Beta-BHC	ND		ug/kg	3.79	1
Heptachlor	ND		ug/kg	3.79	1
Aldrin	ND		ug/kg	3.79	1
Heptachlor epoxide	ND		ug/kg	3.79	1
Endrin	ND		ug/kg	3.79	1
Endrin ketone	ND		ug/kg	3.79	1
Dieldrin	ND		ug/kg	3.79	1
4,4'-DDE	ND		ug/kg	3.79	1
4,4'-DDD	ND		ug/kg	3.79	1
4,4'-DDT	ND		ug/kg	3.79	1
Endosulfan I	ND		ug/kg	3.79	1
Endosulfan II	ND		ug/kg	3.79	1
Endosulfan sulfate	ND		ug/kg	3.79	1
Methoxychlor	ND		ug/kg	15.2	1
trans-Chlordane	ND		ug/kg	3.79	1
Chlordane	ND		ug/kg	37.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906901-08	Date Collected:	05/28/09 13:42
Client ID:	GB5-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	05/29/09 09:15
Analytical Date:	06/03/09 20:57		
Analyst:	JB		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.038	1
2,4,5-T	ND		mg/kg	0.038	1
2,4,5-TP (Silvex)	ND		mg/kg	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	31		30-150	A
DCAA	32		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 06/03/09 16:16
Analyst: JB

Extraction Method: EPA 8151A
Extraction Date: 05/29/09 09:15

Parameter	Result	Qualifier	Units	RDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-08 Batch: WG364358-1				
MCPP	ND		mg/kg	3.33
MCPA	ND		mg/kg	3.33
Dalapon	ND		mg/kg	0.033
Dicamba	ND		mg/kg	0.033
Dichloroprop	ND		mg/kg	0.033
2,4-D	ND		mg/kg	0.033
2,4-DB	ND		mg/kg	0.033
2,4,5-T	ND		mg/kg	0.033
2,4,5-TP (Silvex)	ND		mg/kg	0.033
Dinoseb	ND		mg/kg	0.033

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	51		30-150	A
DCAA	60		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/03/09 00:29
Analyst: JB

Extraction Method: EPA 3540C
Extraction Date: 05/29/09 11:49
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/02/09

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG364379-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.4
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG364358-2 WG364358-3					
MCPP	49	96	30-150	**65**	30
MCPA	**25**	97	30-150	**118**	30
Dalapon	**27**	68	30-150	**86**	30
Dicamba	**28**	79	30-150	**95**	30
Dichloroprop	38	95	30-150	**86**	30
2,4-D	**16**	100	30-150	**145**	30
2,4-DB	59	112	30-150	**62**	30
2,4,5-T	**24**	99	30-150	**122**	30
2,4,5-TP (Silvex)	51	89	30-150	**54**	30
Dinoseb	**8**	**21**	30-150	**94**	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	48		109		30-150	A
DCAA	41		100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG364379-2 WG364379-3					
Delta-BHC	64	63	30-150	2	30
Lindane	67	58	30-150	14	30
Alpha-BHC	64	56	30-150	13	30
Beta-BHC	74	73	30-150	1	30
Heptachlor	87	69	30-150	23	30
Aldrin	66	56	30-150	16	30
Heptachlor epoxide	80	66	30-150	19	30
Endrin	73	63	30-150	15	30
Endrin ketone	74	72	30-150	3	30
Dieldrin	75	63	30-150	17	30
4,4'-DDE	84	64	30-150	27	30
4,4'-DDD	86	73	30-150	16	30
4,4'-DDT	89	71	30-150	23	30
Endosulfan I	78	60	30-150	26	30
Endosulfan II	73	64	30-150	13	30
Endosulfan sulfate	68	65	30-150	5	30
Methoxychlor	78	80	30-150	3	30
trans-Chlordane	74	58	30-150	24	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG364379-2 WG364379-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		54		30-150	A
Decachlorobiphenyl	80		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		44		30-150	B
Decachlorobiphenyl	57		51		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-01 Date Collected: 05/28/09 10:15

Client ID: GB7-6-7 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	12000		mg/kg	4.4	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Antimony, Total	ND		mg/kg	2.2	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Arsenic, Total	2.7		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Barium, Total	52		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Beryllium, Total	0.53		mg/kg	0.22	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Calcium, Total	1100		mg/kg	4.4	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Chromium, Total	22		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Cobalt, Total	9.2		mg/kg	0.87	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Copper, Total	16		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Iron, Total	21000		mg/kg	11	5	05/29/09 17:40	06/03/09 13:59	EPA 3050B	1,6010B	AI
Lead, Total	13		mg/kg	2.2	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Magnesium, Total	2900		mg/kg	4.4	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Manganese, Total	360		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Mercury, Total	ND		mg/kg	0.08	1	06/01/09 19:30	06/02/09 14:34	EPA 7471A	1,7471A	EZ
Nickel, Total	13		mg/kg	1.1	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Potassium, Total	1600		mg/kg	110	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Selenium, Total	ND		mg/kg	0.87	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Silver, Total	ND		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Sodium, Total	330		mg/kg	87	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.87	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Vanadium, Total	28		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM
Zinc, Total	44		mg/kg	2.2	1	05/29/09 17:40	06/01/09 17:18	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-02 Date Collected: 05/27/09 09:35

Client ID: GB6-3-4 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	7400		mg/kg	4.5	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Antimony, Total	ND		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Arsenic, Total	8.4		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Barium, Total	120		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Beryllium, Total	0.49		mg/kg	0.23	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Calcium, Total	13000		mg/kg	4.5	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Chromium, Total	24		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Cobalt, Total	6.4		mg/kg	0.91	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Copper, Total	84		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Iron, Total	18000		mg/kg	11	5	05/29/09 17:40	06/03/09 14:02	EPA 3050B	1,6010B	AI
Lead, Total	270		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Magnesium, Total	8200		mg/kg	4.5	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Manganese, Total	260		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Mercury, Total	0.96		mg/kg	0.09	1	06/01/09 19:30	06/02/09 14:39	EPA 7471A	1,7471A	EZ
Nickel, Total	17		mg/kg	1.1	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Potassium, Total	1400		mg/kg	110	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Selenium, Total	0.99		mg/kg	0.91	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Silver, Total	0.45		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Sodium, Total	450		mg/kg	91	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.91	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Vanadium, Total	30		mg/kg	0.45	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM
Zinc, Total	140		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:28	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-03 Date Collected: 05/28/09 10:30

Client ID: B-1(OW) 5-6 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	8200		mg/kg	4.8	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Antimony, Total	ND		mg/kg	2.4	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Arsenic, Total	9.3		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Barium, Total	230		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Beryllium, Total	0.55		mg/kg	0.24	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Calcium, Total	3800		mg/kg	4.8	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Chromium, Total	30		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Cobalt, Total	7.3		mg/kg	0.96	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Copper, Total	150		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Iron, Total	22000		mg/kg	12	5	05/29/09 17:40	06/03/09 14:28	EPA 3050B	1,6010B	AI
Lead, Total	420		mg/kg	2.4	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Magnesium, Total	2100		mg/kg	4.8	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Manganese, Total	290		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Mercury, Total	0.94		mg/kg	0.09	1	06/01/09 19:30	06/02/09 14:41	EPA 7471A	1,7471A	EZ
Nickel, Total	25		mg/kg	1.2	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Potassium, Total	1300		mg/kg	120	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Selenium, Total	1.4		mg/kg	0.96	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Silver, Total	0.63		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Sodium, Total	1200		mg/kg	96	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.96	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Vanadium, Total	27		mg/kg	0.48	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM
Zinc, Total	240		mg/kg	2.4	1	05/29/09 17:40	06/01/09 17:31	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-04 Date Collected: 05/28/09 11:52

Client ID: GB2-9-10 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	6700		mg/kg	5.0	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Antimony, Total	8.9		mg/kg	2.5	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Arsenic, Total	20		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Barium, Total	400		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Beryllium, Total	0.67		mg/kg	0.25	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Cadmium, Total	0.79		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Calcium, Total	4000		mg/kg	5.0	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Chromium, Total	21		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Cobalt, Total	9.2		mg/kg	1.0	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Copper, Total	260		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Iron, Total	29000		mg/kg	12	5	05/29/09 17:40	06/03/09 14:31	EPA 3050B	1,6010B	AI
Lead, Total	1800		mg/kg	2.5	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Magnesium, Total	1600		mg/kg	5.0	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Manganese, Total	240		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Mercury, Total	1.9		mg/kg	0.10	1	06/01/09 19:30	06/02/09 14:43	EPA 7471A	1,7471A	EZ
Nickel, Total	21		mg/kg	1.2	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Potassium, Total	1000		mg/kg	120	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Selenium, Total	2.5		mg/kg	1.0	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Silver, Total	1.2		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Sodium, Total	420		mg/kg	100	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	1.0	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Vanadium, Total	26		mg/kg	0.50	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM
Zinc, Total	480		mg/kg	2.5	1	05/29/09 17:40	06/01/09 17:34	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-05 Date Collected: 05/28/09 12:15

Client ID: GB1-7-8 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	4800		mg/kg	4.9	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Antimony, Total	3.3		mg/kg	2.4	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Arsenic, Total	16		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Barium, Total	280		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Beryllium, Total	0.62		mg/kg	0.24	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Cadmium, Total	0.83		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Calcium, Total	6100		mg/kg	4.9	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Chromium, Total	14		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Cobalt, Total	6.7		mg/kg	0.97	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Copper, Total	220		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Iron, Total	15000		mg/kg	12	5	05/29/09 17:40	06/03/09 14:35	EPA 3050B	1,6010B	AI
Lead, Total	650		mg/kg	2.4	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Magnesium, Total	2200		mg/kg	4.9	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Manganese, Total	300		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Mercury, Total	1.9		mg/kg	0.19	2	06/01/09 19:30	06/02/09 15:34	EPA 7471A	1,7471A	EZ
Nickel, Total	19		mg/kg	1.2	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Potassium, Total	610		mg/kg	120	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Selenium, Total	2.2		mg/kg	0.97	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Silver, Total	1.0		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Sodium, Total	780		mg/kg	97	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.97	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Vanadium, Total	22		mg/kg	0.49	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM
Zinc, Total	500		mg/kg	2.4	1	05/29/09 17:40	06/01/09 17:37	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-06 Date Collected: 05/27/09 08:45

Client ID: GB3-2-3 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	6200		mg/kg	4.4	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Antimony, Total	ND		mg/kg	2.2	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Arsenic, Total	5.2		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Barium, Total	110		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Beryllium, Total	0.42		mg/kg	0.22	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Calcium, Total	14000		mg/kg	4.4	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Chromium, Total	22		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Cobalt, Total	5.6		mg/kg	0.88	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Copper, Total	99		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Iron, Total	16000		mg/kg	11	5	05/29/09 17:40	06/03/09 14:38	EPA 3050B	1,6010B	AI
Lead, Total	180		mg/kg	2.2	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Magnesium, Total	4000		mg/kg	4.4	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Manganese, Total	200		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Mercury, Total	0.64		mg/kg	0.09	1	06/01/09 19:30	06/02/09 14:47	EPA 7471A	1,7471A	EZ
Nickel, Total	18		mg/kg	1.1	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Potassium, Total	1200		mg/kg	110	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Selenium, Total	0.90		mg/kg	0.88	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Silver, Total	0.52		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Sodium, Total	850		mg/kg	88	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.88	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Vanadium, Total	30		mg/kg	0.44	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM
Zinc, Total	140		mg/kg	2.2	1	05/29/09 17:40	06/01/09 17:40	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-07 Date Collected: 05/28/09 13:30

Client ID: GB4-7-8 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	11000		mg/kg	4.6	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Antimony, Total	ND		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Arsenic, Total	3.6		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Barium, Total	93		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Beryllium, Total	0.58		mg/kg	0.23	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Calcium, Total	2000		mg/kg	4.6	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Chromium, Total	25		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Cobalt, Total	7.3		mg/kg	0.93	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Copper, Total	64		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Iron, Total	22000		mg/kg	12	5	05/29/09 17:40	06/03/09 14:41	EPA 3050B	1,6010B	AI
Lead, Total	980		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Magnesium, Total	3400		mg/kg	4.6	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Manganese, Total	340		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Mercury, Total	0.25		mg/kg	0.09	1	06/01/09 19:30	06/02/09 14:49	EPA 7471A	1,7471A	EZ
Nickel, Total	16		mg/kg	1.2	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Potassium, Total	2200		mg/kg	120	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Selenium, Total	ND		mg/kg	0.93	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Silver, Total	ND		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Sodium, Total	200		mg/kg	93	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.93	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Vanadium, Total	29		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM
Zinc, Total	98		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:43	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-08 Date Collected: 05/28/09 13:42

Client ID: GB5-8-9 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	8800		mg/kg	4.6	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Antimony, Total	ND		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Arsenic, Total	2.9		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Barium, Total	83		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Beryllium, Total	0.46		mg/kg	0.23	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Calcium, Total	1100		mg/kg	4.6	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Chromium, Total	18		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Cobalt, Total	7.2		mg/kg	0.92	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Copper, Total	35		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Iron, Total	18000		mg/kg	11	5	05/29/09 17:40	06/03/09 13:46	EPA 3050B	1,6010B	AI
Lead, Total	84		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Magnesium, Total	2000		mg/kg	4.6	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Manganese, Total	330		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Mercury, Total	0.24		mg/kg	0.09	1	06/01/09 19:30	06/02/09 14:51	EPA 7471A	1,7471A	EZ
Nickel, Total	13		mg/kg	1.1	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Potassium, Total	1300		mg/kg	110	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Selenium, Total	ND		mg/kg	0.92	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Silver, Total	ND		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Sodium, Total	780		mg/kg	92	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Thallium, Total	ND		mg/kg	0.92	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Vanadium, Total	24		mg/kg	0.46	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM
Zinc, Total	75		mg/kg	2.3	1	05/29/09 17:40	06/01/09 17:02	EPA 3050B	1,6010B	BM

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG364500-1									
Aluminum, Total	ND		mg/kg	4.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Antimony, Total	ND		mg/kg	2.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Arsenic, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Barium, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Beryllium, Total	ND		mg/kg	0.20	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Cadmium, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Calcium, Total	ND		mg/kg	4.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Chromium, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Cobalt, Total	ND		mg/kg	0.80	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Copper, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Iron, Total	ND		mg/kg	2.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Lead, Total	ND		mg/kg	2.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Magnesium, Total	ND		mg/kg	4.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Manganese, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Nickel, Total	ND		mg/kg	1.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Potassium, Total	ND		mg/kg	100	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Selenium, Total	ND		mg/kg	0.80	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Silver, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Sodium, Total	ND		mg/kg	80	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Thallium, Total	ND		mg/kg	0.80	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Vanadium, Total	ND		mg/kg	0.40	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM
Zinc, Total	ND		mg/kg	2.0	1	05/29/09 17:40	06/01/09 16:48	1,6010B	BM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG364731-1									
Mercury, Total	ND		mg/kg	0.08	1	06/01/09 19:30	06/02/09 14:30	1,7471A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0906901

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG364500-2					
Aluminum, Total	101	-	75-125	-	
Antimony, Total	103	-	75-125	-	
Arsenic, Total	103	-	75-125	-	
Barium, Total	103	-	75-125	-	
Beryllium, Total	109	-	75-125	-	
Cadmium, Total	112	-	75-125	-	
Calcium, Total	96	-	75-125	-	
Chromium, Total	106	-	75-125	-	
Cobalt, Total	103	-	75-125	-	
Copper, Total	114	-	75-125	-	
Iron, Total	106	-	75-125	-	
Lead, Total	101	-	75-125	-	
Magnesium, Total	98	-	75-125	-	
Manganese, Total	103	-	75-125	-	
Nickel, Total	103	-	75-125	-	
Potassium, Total	101	-	75-125	-	
Selenium, Total	103	-	75-125	-	
Silver, Total	103	-	75-125	-	
Sodium, Total	98	-	75-125	-	
Thallium, Total	97	-	75-125	-	
Vanadium, Total	109	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG364500-2					
Zinc, Total	103	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG364731-2					
Mercury, Total	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364500-4 QC Sample: L0906901-08 Client ID: GB5-8-9									
Aluminum, Total	8800	92.4	10000	**1300**	-	-	75-125	-	35
Antimony, Total	ND	23.1	5.8	**25**	-	-	75-125	-	35
Arsenic, Total	2.9	5.54	7.9	90	-	-	75-125	-	35
Barium, Total	83	92.4	160	83	-	-	75-125	-	35
Beryllium, Total	0.46	2.31	2.5	88	-	-	75-125	-	35
Cadmium, Total	ND	2.36	2.2	93	-	-	75-125	-	35
Calcium, Total	1100	462	1500	86	-	-	75-125	-	35
Chromium, Total	18	9.24	27	97	-	-	75-125	-	35
Cobalt, Total	7.2	23.1	28	90	-	-	75-125	-	35
Copper, Total	35	11.5	48	112	-	-	75-125	-	35
Iron, Total	18000	46.2	22000	**8660**	-	-	75-125	-	35
Lead, Total	84	23.6	130	**195**	-	-	75-125	-	35
Magnesium, Total	2000	462	2900	**195**	-	-	75-125	-	35
Manganese, Total	330	23.1	430	**433**	-	-	75-125	-	35
Nickel, Total	13	23.1	33	86	-	-	75-125	-	35
Potassium, Total	1300	462	2000	**152**	-	-	75-125	-	35
Selenium, Total	ND	5.54	5.4	97	-	-	75-125	-	35
Silver, Total	ND	13.8	13	94	-	-	75-125	-	35
Sodium, Total	780	462	1300	112	-	-	75-125	-	35
Thallium, Total	ND	5.54	4.4	79	-	-	75-125	-	35
Vanadium, Total	24	23.1	46	95	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364500-4 QC Sample: L0906901-08 Client ID: GB5-8-9									
Zinc, Total	75	23.1	98	100	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364731-4 QC Sample: L0906901-08 Client ID: GB5-8-9									
Mercury, Total	0.24	0.178	0.39	84	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364500-3 QC Sample: L0906901-08 Client ID: GB5-8-9					
Aluminum, Total	8800	9300	mg/kg	6	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	2.9	3.1	mg/kg	7	35
Barium, Total	83	75	mg/kg	10	35
Beryllium, Total	0.46	0.52	mg/kg	12	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	1100	1100	mg/kg	0	35
Chromium, Total	18	18	mg/kg	0	35
Cobalt, Total	7.2	8.0	mg/kg	11	35
Copper, Total	35	34	mg/kg	3	35
Lead, Total	84	100	mg/kg	17	35
Magnesium, Total	2000	2100	mg/kg	5	35
Manganese, Total	330	330	mg/kg	0	35
Nickel, Total	13	14	mg/kg	7	35
Potassium, Total	1300	1300	mg/kg	0	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	780	800	mg/kg	3	35
Thallium, Total	ND	ND	mg/kg	NC	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364500-3 QC Sample: L0906901-08 Client ID: GB5-8-9					
Vanadium, Total	24	26	mg/kg	8	35
Zinc, Total	75	80	mg/kg	6	35
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364500-3 QC Sample: L0906901-08 Client ID: GB5-8-9					
Iron, Total	18000	20000	mg/kg	11	35
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364731-3 QC Sample: L0906901-08 Client ID: GB5-8-9					
Mercury, Total	0.24	2.8	mg/kg	**168**	35

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-01
Client ID: GB7-6-7
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 10:15
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	92		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-02
Client ID: GB6-3-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/27/09 09:35
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	88		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-03
Client ID: B-1(OW) 5-6
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 10:30
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	84		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-04
Client ID: GB2-9-10
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 11:52
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	79		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-05
Client ID: GB1-7-8
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 12:15
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	83		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-06
Client ID: GB3-2-3
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/27/09 08:45
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-07
Client ID: GB4-7-8
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 13:30
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906901-08
Client ID: GB5-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 13:42
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	88		%	0.10	1	-	06/01/09 13:34	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG364639-1 QC Sample: L0906905-23 Client ID: DUP Sample					
Solids, Total	85	84	%	1	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906901-01A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-01B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906901-01C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-02A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-02B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906901-02C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-03A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-03B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906901-03C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-04A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-04B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906901-04C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-05A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-05B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906901-05C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-06A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-06B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906901-06C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-07A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-07B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906901-07C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906901-08A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0906901-08B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906901
Report Date: 06/04/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906901-08C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906901
Project Number:	5817802	**Report Date:**	06/04/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0906901
Project Number: 5817802 **Report Date:** 06/04/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

06040920:33

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/29/09

ALPHA Job #: L0906901

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th Fl, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Langan

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/4/09 Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program: | Criteria: NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL VOCs, TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals

SAMPLE HANDLING

Filtration ____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals	Total # Bottles	Sample Specific Comments
06901-1	GB7-6-7	5/28/09	1015	S	JFG	X	X	X	X	X	X		3 jars
2	GB6-3-4	5/27/09	935	S	JFG	X	X	X	X	X	X		3 jars
3	B-1(OW) 5-6	5/28/09	1030	S	JFG	X	X	X	X	X	X		3 jars
4	GB2-9-10	5/28/09	1152	S	JFG	X	X	X	X	X	X		3 jars
5	GB1-7-8	5/28/09	1215	S	JFG	X	X	X	X	X	X		3 jars
6	GB3-2-3	5/27/09	845	S	JFG	X	X	X	X	X	X		3 jars
7	GB4-7-8	5/28/09	130PM	S	JFG	X	X	X	X	X	X		3 jars
8	GB5-8-9	5/28/09	142PM	S	JFG	X	X	X	X	X	X		3 jars

Container Type	A	A	A	A	A	A					
Preservative											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph F. Good	5/28/09 1515	[illegible]	5/28/09 1515
[illegible]	5/28/09	[illegible]	5/28/09 19:30
[illegible]	5/28/09 21:25	[illegible]	5/28/09 2125

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0906972
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/08/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0906972-01	GB8-5-6	RIKERS ISLAND, NY	05/28/09 14:40
L0906972-02	GB20-8-9	RIKERS ISLAND, NY	05/29/09 09:15
L0906972-03	GB9-8-9	RIKERS ISLAND, NY	05/29/09 11:55
L0906972-04	GB10-3-4	RIKERS ISLAND, NY	05/29/09 12:55
L0906972-05	B2(OW)-2-3	RIKERS ISLAND, NY	05/29/09 13:30
L0906972-06	SV5-3-4	RIKERS ISLAND, NY	05/29/09 09:45

Project Name: RIKERS ISLAND **Lab Number:** L0906972
Project Number: 5817802 **Report Date:** 06/08/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics

The surrogate recovery for L0906972-01 is outside the individual acceptance criteria for 2-Fluorobiphenyl (25%), but within the overall method allowances.

L0906972-06 has an elevated detection limit due to the dilution required by the sample matrix.

Semivolatile Organics-SIM

L0906972-02 and -06 have elevated detection limits due to the dilutions required by the sample matrix.

Project Name: RIKERS ISLAND **Lab Number:** L0906972
Project Number: 5817802 **Report Date:** 06/08/09

Case Narrative (continued)

Pesticides

L0906972-02 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries for L0906972-05 are outside the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (21%/18%) and Decachlorobiphenyl (25%/22%). The surrogates recoveries within the method blank and LCS are within method criteria, therefore, no further action was taken.

Herbicides

L0906972-01 through -05: The Continuing Calibration recoveries were above method acceptance criteria; however, the samples were non-detect for the target analytes. Therefore, no further actions were taken.

The surrogate recovery for L0906972-02 is above the acceptance criteria for DCAA (168%). Since the sample was non-detect for all target analytes, re-analysis is not required.

Metals

L0906972-01 through -06 have elevated detection limits for Iron due to the dilutions required to quantitate the result within the calibration range.

Mercury

L0906972-02 has an elevated detection limit for Mercury due to the dilution required to quantitate the result within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Title: Technical Director/Representative Date: 06/08/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	05/31/09 05:24		
Analyst:	PD		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	27	1
1,1-Dichloroethane	ND		ug/kg	4.1	1
Chloroform	ND		ug/kg	4.1	1
Carbon tetrachloride	ND		ug/kg	2.7	1
1,2-Dichloropropane	ND		ug/kg	9.6	1
Dibromochloromethane	ND		ug/kg	2.7	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1
Tetrachloroethene	ND		ug/kg	2.7	1
Chlorobenzene	ND		ug/kg	2.7	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.7	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	1
Bromodichloromethane	ND		ug/kg	2.7	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	1
Benzene	ND		ug/kg	2.7	1
Toluene	ND		ug/kg	4.1	1
Ethylbenzene	ND		ug/kg	2.7	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.5	1
Vinyl chloride	ND		ug/kg	5.5	1
Chloroethane	ND		ug/kg	5.5	1
1,1-Dichloroethene	ND		ug/kg	2.7	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1
Trichloroethene	ND		ug/kg	2.7	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-01 Date Collected: 05/28/09 14:40

Client ID: GB8-5-6 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.5	1
p/m-Xylene	ND		ug/kg	5.5	1
o-Xylene	ND		ug/kg	5.5	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	1
Dibromomethane	ND		ug/kg	27	1
Styrene	8.5		ug/kg	5.5	1
Dichlorodifluoromethane	ND		ug/kg	27	1
Acetone	ND		ug/kg	27	1
Carbon disulfide	ND		ug/kg	27	1
2-Butanone	ND		ug/kg	27	1
Vinyl acetate	ND		ug/kg	27	1
4-Methyl-2-pentanone	ND		ug/kg	27	1
1,2,3-Trichloropropane	ND		ug/kg	27	1
2-Hexanone	ND		ug/kg	27	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.7	1
sec-Butylbenzene	ND		ug/kg	2.7	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.7	1
p-Isopropyltoluene	ND		ug/kg	2.7	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	27	1
n-Propylbenzene	ND		ug/kg	2.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	79		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/01/09 12:04		
Analyst:	PD		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	35	1
1,1-Dichloroethane	ND		ug/kg	5.2	1
Chloroform	ND		ug/kg	5.2	1
Carbon tetrachloride	ND		ug/kg	3.5	1
1,2-Dichloropropane	ND		ug/kg	12	1
Dibromochloromethane	ND		ug/kg	3.5	1
1,1,2-Trichloroethane	ND		ug/kg	5.2	1
Tetrachloroethene	ND		ug/kg	3.5	1
Chlorobenzene	ND		ug/kg	3.5	1
Trichlorofluoromethane	ND		ug/kg	17	1
1,2-Dichloroethane	ND		ug/kg	3.5	1
1,1,1-Trichloroethane	ND		ug/kg	3.5	1
Bromodichloromethane	ND		ug/kg	3.5	1
trans-1,3-Dichloropropene	ND		ug/kg	3.5	1
cis-1,3-Dichloropropene	ND		ug/kg	3.5	1
1,1-Dichloropropene	ND		ug/kg	17	1
Bromoform	ND		ug/kg	14	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.5	1
Benzene	ND		ug/kg	3.5	1
Toluene	ND		ug/kg	5.2	1
Ethylbenzene	ND		ug/kg	3.5	1
Chloromethane	ND		ug/kg	17	1
Bromomethane	ND		ug/kg	6.9	1
Vinyl chloride	ND		ug/kg	6.9	1
Chloroethane	ND		ug/kg	6.9	1
1,1-Dichloroethene	ND		ug/kg	3.5	1
trans-1,2-Dichloroethene	ND		ug/kg	5.2	1
Trichloroethene	ND		ug/kg	3.5	1
1,2-Dichlorobenzene	ND		ug/kg	17	1
1,3-Dichlorobenzene	ND		ug/kg	17	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-02 Date Collected: 05/29/09 09:15

Client ID: GB20-8-9 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	17	1
Methyl tert butyl ether	ND		ug/kg	6.9	1
p/m-Xylene	ND		ug/kg	6.9	1
o-Xylene	ND		ug/kg	6.9	1
cis-1,2-Dichloroethene	ND		ug/kg	3.5	1
Dibromomethane	ND		ug/kg	35	1
Styrene	98		ug/kg	6.9	1
Dichlorodifluoromethane	ND		ug/kg	35	1
Acetone	530		ug/kg	35	1
Carbon disulfide	ND		ug/kg	35	1
2-Butanone	130		ug/kg	35	1
Vinyl acetate	ND		ug/kg	35	1
4-Methyl-2-pentanone	ND		ug/kg	35	1
1,2,3-Trichloropropane	ND		ug/kg	35	1
2-Hexanone	ND		ug/kg	35	1
Bromochloromethane	ND		ug/kg	17	1
2,2-Dichloropropane	ND		ug/kg	17	1
1,2-Dibromoethane	ND		ug/kg	14	1
1,3-Dichloropropane	ND		ug/kg	17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.5	1
Bromobenzene	ND		ug/kg	17	1
n-Butylbenzene	ND		ug/kg	3.5	1
sec-Butylbenzene	ND		ug/kg	3.5	1
tert-Butylbenzene	ND		ug/kg	17	1
o-Chlorotoluene	ND		ug/kg	17	1
p-Chlorotoluene	ND		ug/kg	17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	17	1
Hexachlorobutadiene	ND		ug/kg	17	1
Isopropylbenzene	ND		ug/kg	3.5	1
p-Isopropyltoluene	ND		ug/kg	3.5	1
Naphthalene	ND		ug/kg	17	1
Acrylonitrile	ND		ug/kg	35	1
n-Propylbenzene	ND		ug/kg	3.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	17	1
1,2,4-Trichlorobenzene	ND		ug/kg	17	1
1,3,5-Trimethylbenzene	ND		ug/kg	17	1
1,2,4-Trimethylbenzene	ND		ug/kg	17	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	14	1
4-Ethyltoluene	ND		ug/kg	14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	14	1
Ethyl ether	ND		ug/kg	17	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	86		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/01/09 12:40		
Analyst:	PD		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	27	1
1,1-Dichloroethane	ND		ug/kg	4.1	1
Chloroform	ND		ug/kg	4.1	1
Carbon tetrachloride	ND		ug/kg	2.7	1
1,2-Dichloropropane	ND		ug/kg	9.5	1
Dibromochloromethane	ND		ug/kg	2.7	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1
Tetrachloroethene	ND		ug/kg	2.7	1
Chlorobenzene	ND		ug/kg	2.7	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.7	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	1
Bromodichloromethane	ND		ug/kg	2.7	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	1
Benzene	ND		ug/kg	2.7	1
Toluene	ND		ug/kg	4.1	1
Ethylbenzene	ND		ug/kg	2.7	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.4	1
Vinyl chloride	ND		ug/kg	5.4	1
Chloroethane	ND		ug/kg	5.4	1
1,1-Dichloroethene	ND		ug/kg	2.7	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1
Trichloroethene	ND		ug/kg	2.7	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-03 Date Collected: 05/29/09 11:55

Client ID: GB9-8-9 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.4	1
p/m-Xylene	ND		ug/kg	5.4	1
o-Xylene	ND		ug/kg	5.4	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	1
Dibromomethane	ND		ug/kg	27	1
Styrene	ND		ug/kg	5.4	1
Dichlorodifluoromethane	ND		ug/kg	27	1
Acetone	ND		ug/kg	27	1
Carbon disulfide	ND		ug/kg	27	1
2-Butanone	ND		ug/kg	27	1
Vinyl acetate	ND		ug/kg	27	1
4-Methyl-2-pentanone	ND		ug/kg	27	1
1,2,3-Trichloropropane	ND		ug/kg	27	1
2-Hexanone	ND		ug/kg	27	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.7	1
sec-Butylbenzene	ND		ug/kg	2.7	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.7	1
p-Isopropyltoluene	ND		ug/kg	2.7	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	27	1
n-Propylbenzene	ND		ug/kg	2.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	86		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/01/09 13:17		
Analyst:	PD		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	27	1
1,1-Dichloroethane	ND		ug/kg	4.1	1
Chloroform	ND		ug/kg	4.1	1
Carbon tetrachloride	ND		ug/kg	2.7	1
1,2-Dichloropropane	ND		ug/kg	9.6	1
Dibromochloromethane	ND		ug/kg	2.7	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1
Tetrachloroethene	ND		ug/kg	2.7	1
Chlorobenzene	ND		ug/kg	2.7	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.7	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	1
Bromodichloromethane	ND		ug/kg	2.7	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	1
Benzene	ND		ug/kg	2.7	1
Toluene	ND		ug/kg	4.1	1
Ethylbenzene	ND		ug/kg	2.7	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.5	1
Vinyl chloride	ND		ug/kg	5.5	1
Chloroethane	ND		ug/kg	5.5	1
1,1-Dichloroethene	ND		ug/kg	2.7	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1
Trichloroethene	ND		ug/kg	2.7	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-04 Date Collected: 05/29/09 12:55

Client ID: GB10-3-4 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.5	1
p/m-Xylene	ND		ug/kg	5.5	1
o-Xylene	ND		ug/kg	5.5	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	1
Dibromomethane	ND		ug/kg	27	1
Styrene	29		ug/kg	5.5	1
Dichlorodifluoromethane	ND		ug/kg	27	1
Acetone	ND		ug/kg	27	1
Carbon disulfide	ND		ug/kg	27	1
2-Butanone	ND		ug/kg	27	1
Vinyl acetate	ND		ug/kg	27	1
4-Methyl-2-pentanone	ND		ug/kg	27	1
1,2,3-Trichloropropane	ND		ug/kg	27	1
2-Hexanone	ND		ug/kg	27	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.7	1
sec-Butylbenzene	ND		ug/kg	2.7	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.7	1
p-Isopropyltoluene	ND		ug/kg	2.7	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	27	1
n-Propylbenzene	ND		ug/kg	2.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	91		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/01/09 13:53		
Analyst:	PD		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	33	1
1,1-Dichloroethane	ND		ug/kg	4.9	1
Chloroform	ND		ug/kg	4.9	1
Carbon tetrachloride	ND		ug/kg	3.3	1
1,2-Dichloropropane	ND		ug/kg	12	1
Dibromochloromethane	ND		ug/kg	3.3	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1
Tetrachloroethene	ND		ug/kg	3.3	1
Chlorobenzene	ND		ug/kg	3.3	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.3	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	1
Bromodichloromethane	ND		ug/kg	3.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	1
Benzene	ND		ug/kg	3.3	1
Toluene	ND		ug/kg	4.9	1
Ethylbenzene	ND		ug/kg	3.3	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.6	1
Vinyl chloride	ND		ug/kg	6.6	1
Chloroethane	ND		ug/kg	6.6	1
1,1-Dichloroethene	ND		ug/kg	3.3	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1
Trichloroethene	ND		ug/kg	3.3	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-05 Date Collected: 05/29/09 13:30

Client ID: B2(OW)-2-3 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.6	1
p/m-Xylene	ND		ug/kg	6.6	1
o-Xylene	ND		ug/kg	6.6	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	1
Dibromomethane	ND		ug/kg	33	1
Styrene	ND		ug/kg	6.6	1
Dichlorodifluoromethane	ND		ug/kg	33	1
Acetone	ND		ug/kg	33	1
Carbon disulfide	ND		ug/kg	33	1
2-Butanone	ND		ug/kg	33	1
Vinyl acetate	ND		ug/kg	33	1
4-Methyl-2-pentanone	ND		ug/kg	33	1
1,2,3-Trichloropropane	ND		ug/kg	33	1
2-Hexanone	ND		ug/kg	33	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.3	1
sec-Butylbenzene	ND		ug/kg	3.3	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.3	1
p-Isopropyltoluene	ND		ug/kg	3.3	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	33	1
n-Propylbenzene	ND		ug/kg	3.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-05 Date Collected: 05/29/09 13:30

Client ID: B2(OW)-2-3 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	80		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/01/09 14:30		
Analyst:	PD		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	30	1
1,1-Dichloroethane	ND		ug/kg	4.5	1
Chloroform	ND		ug/kg	4.5	1
Carbon tetrachloride	ND		ug/kg	3.0	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	3.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1
Tetrachloroethene	ND		ug/kg	3.0	1
Chlorobenzene	ND		ug/kg	3.0	1
Trichlorofluoromethane	ND		ug/kg	15	1
1,2-Dichloroethane	ND		ug/kg	3.0	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	1
Bromodichloromethane	ND		ug/kg	3.0	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	1
1,1-Dichloropropene	ND		ug/kg	15	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	1
Benzene	ND		ug/kg	3.0	1
Toluene	ND		ug/kg	4.5	1
Ethylbenzene	ND		ug/kg	3.0	1
Chloromethane	ND		ug/kg	15	1
Bromomethane	ND		ug/kg	6.0	1
Vinyl chloride	ND		ug/kg	6.0	1
Chloroethane	ND		ug/kg	6.0	1
1,1-Dichloroethene	ND		ug/kg	3.0	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1
Trichloroethene	ND		ug/kg	3.0	1
1,2-Dichlorobenzene	ND		ug/kg	15	1
1,3-Dichlorobenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-06 Date Collected: 05/29/09 09:45

Client ID: SV5-3-4 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	15	1
Methyl tert butyl ether	ND		ug/kg	6.0	1
p/m-Xylene	ND		ug/kg	6.0	1
o-Xylene	ND		ug/kg	6.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	1
Dibromomethane	ND		ug/kg	30	1
Styrene	ND		ug/kg	6.0	1
Dichlorodifluoromethane	ND		ug/kg	30	1
Acetone	120		ug/kg	30	1
Carbon disulfide	ND		ug/kg	30	1
2-Butanone	ND		ug/kg	30	1
Vinyl acetate	ND		ug/kg	30	1
4-Methyl-2-pentanone	ND		ug/kg	30	1
1,2,3-Trichloropropane	ND		ug/kg	30	1
2-Hexanone	ND		ug/kg	30	1
Bromochloromethane	ND		ug/kg	15	1
2,2-Dichloropropane	ND		ug/kg	15	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1
Bromobenzene	ND		ug/kg	15	1
n-Butylbenzene	ND		ug/kg	3.0	1
sec-Butylbenzene	ND		ug/kg	3.0	1
tert-Butylbenzene	ND		ug/kg	15	1
o-Chlorotoluene	ND		ug/kg	15	1
p-Chlorotoluene	ND		ug/kg	15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	15	1
Isopropylbenzene	ND		ug/kg	3.0	1
p-Isopropyltoluene	ND		ug/kg	3.0	1
Naphthalene	ND		ug/kg	15	1
Acrylonitrile	ND		ug/kg	30	1
n-Propylbenzene	ND		ug/kg	3.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/30/09 19:10
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG364590-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/30/09 19:10
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG364590-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 05/30/09 19:10
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG364590-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/01/09 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG364621-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/01/09 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG364621-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/01/09 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG364621-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	85		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG364590-1 WG364590-2					
Chlorobenzene	90	85	60-133	6	30
Benzene	92	87	66-142	6	30
Toluene	89	83	59-139	7	30
1,1-Dichloroethene	87	83	59-172	5	30
Trichloroethene	91	88	62-137	3	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG364621-1 WG364621-2					
Chlorobenzene	94	80	60-133	16	30
Benzene	88	75	66-142	16	30
Toluene	89	76	59-139	16	30
1,1-Dichloroethene	83	72	59-172	14	30
Trichloroethene	88	78	62-137	12	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		92		70-130
Toluene-d8	106		89		70-130
4-Bromofluorobenzene	105		88		70-130
Dibromofluoromethane	107		87		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 16:56		
Analyst:	AK		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	730	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	730	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	510	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	440	1
2,4-Dichlorophenol	ND		ug/kg	730	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	730	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	510	1
2-Methylphenol	ND		ug/kg	440	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	730	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-120
Phenol-d6	25		10-120
Nitrobenzene-d5	23		23-120
2-Fluorobiphenyl	**25**		30-120
2,4,6-Tribromophenol	23		19-120
4-Terphenyl-d14	29		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 18:34		
Analyst:	HL		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	18		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	ND		ug/kg	15	1
Benzo(a)pyrene	ND		ug/kg	15	1
Benzo(b)fluoranthene	ND		ug/kg	15	1
Benzo(k)fluoranthene	ND		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	ND		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	ND		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	15		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	59	1
Hexachlorobenzene	ND		ug/kg	59	1
Hexachloroethane	ND		ug/kg	59	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		25-120
Phenol-d6	27		10-120
Nitrobenzene-d5	32		23-120
2-Fluorobiphenyl	31		30-120
2,4,6-Tribromophenol	26		19-120
4-Terphenyl-d14	33		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 17:20		
Analyst:	AK		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	460	1
Bis(2-chloroethyl)ether	ND		ug/kg	460	1
1,2-Dichlorobenzene	ND		ug/kg	460	1
1,3-Dichlorobenzene	ND		ug/kg	460	1
1,4-Dichlorobenzene	ND		ug/kg	460	1
3,3'-Dichlorobenzidine	ND		ug/kg	920	1
2,4-Dinitrotoluene	ND		ug/kg	460	1
2,6-Dinitrotoluene	ND		ug/kg	460	1
4-Chlorophenyl phenyl ether	ND		ug/kg	460	1
4-Bromophenyl phenyl ether	ND		ug/kg	460	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	1
Bis(2-chloroethoxy)methane	ND		ug/kg	460	1
Hexachlorocyclopentadiene	ND		ug/kg	920	1
Isophorone	ND		ug/kg	460	1
Nitrobenzene	ND		ug/kg	460	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	1
n-Nitrosodi-n-propylamine	ND		ug/kg	460	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	920	1
Butyl benzyl phthalate	ND		ug/kg	460	1
Di-n-butylphthalate	ND		ug/kg	460	1
Di-n-octylphthalate	ND		ug/kg	460	1
Diethyl phthalate	ND		ug/kg	460	1
Dimethyl phthalate	ND		ug/kg	460	1
Biphenyl	ND		ug/kg	460	1
4-Chloroaniline	ND		ug/kg	460	1
2-Nitroaniline	ND		ug/kg	460	1
3-Nitroaniline	ND		ug/kg	460	1
4-Nitroaniline	ND		ug/kg	650	1
Dibenzofuran	ND		ug/kg	460	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1800	1
2,4,6-Trichlorophenol	ND		ug/kg	460	1
P-Chloro-M-Cresol	ND		ug/kg	460	1
2-Chlorophenol	ND		ug/kg	560	1
2,4-Dichlorophenol	ND		ug/kg	920	1
2,4-Dimethylphenol	ND		ug/kg	460	1
2-Nitrophenol	ND		ug/kg	1800	1
4-Nitrophenol	ND		ug/kg	920	1
2,4-Dinitrophenol	ND		ug/kg	1800	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	1
Phenol	ND		ug/kg	650	1
2-Methylphenol	ND		ug/kg	560	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	1
2,4,5-Trichlorophenol	ND		ug/kg	460	1
Benzoic Acid	ND		ug/kg	4600	1
Benzyl Alcohol	ND		ug/kg	920	1
Carbazole	ND		ug/kg	460	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	84		19-120
4-Terphenyl-d14	74		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/03/09 00:26		
Analyst:	HL		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	62		ug/kg	37	2
2-Chloronaphthalene	ND		ug/kg	37	2
Fluoranthene	760		ug/kg	37	2
Hexachlorobutadiene	ND		ug/kg	92	2
Naphthalene	93		ug/kg	37	2
Benzo(a)anthracene	360		ug/kg	37	2
Benzo(a)pyrene	320		ug/kg	37	2
Benzo(b)fluoranthene	500		ug/kg	37	2
Benzo(k)fluoranthene	150		ug/kg	37	2
Chrysene	420		ug/kg	37	2
Acenaphthylene	37		ug/kg	37	2
Anthracene	100		ug/kg	37	2
Benzo(ghi)perylene	150		ug/kg	37	2
Fluorene	190		ug/kg	37	2
Phenanthrene	520		ug/kg	37	2
Dibenzo(a,h)anthracene	57		ug/kg	37	2
Indeno(1,2,3-cd)Pyrene	130		ug/kg	37	2
Pyrene	680		ug/kg	37	2
2-Methylnaphthalene	62		ug/kg	37	2
Pentachlorophenol	ND		ug/kg	150	2
Hexachlorobenzene	ND		ug/kg	150	2
Hexachloroethane	ND		ug/kg	150	2

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	92		19-120
4-Terphenyl-d14	79		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 17:44		
Analyst:	AK		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	360	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	1
1,2-Dichlorobenzene	ND		ug/kg	360	1
1,3-Dichlorobenzene	ND		ug/kg	360	1
1,4-Dichlorobenzene	ND		ug/kg	360	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	1
2,4-Dinitrotoluene	ND		ug/kg	360	1
2,6-Dinitrotoluene	ND		ug/kg	360	1
4-Chlorophenyl phenyl ether	ND		ug/kg	360	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	1
Hexachlorocyclopentadiene	ND		ug/kg	720	1
Isophorone	ND		ug/kg	360	1
Nitrobenzene	ND		ug/kg	360	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	360	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	1
Butyl benzyl phthalate	ND		ug/kg	360	1
Di-n-butylphthalate	ND		ug/kg	360	1
Di-n-octylphthalate	ND		ug/kg	360	1
Diethyl phthalate	ND		ug/kg	360	1
Dimethyl phthalate	ND		ug/kg	360	1
Biphenyl	ND		ug/kg	360	1
4-Chloroaniline	ND		ug/kg	360	1
2-Nitroaniline	ND		ug/kg	360	1
3-Nitroaniline	ND		ug/kg	360	1
4-Nitroaniline	ND		ug/kg	510	1
Dibenzofuran	ND		ug/kg	360	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1400	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	360	1
P-Chloro-M-Cresol	ND		ug/kg	360	1
2-Chlorophenol	ND		ug/kg	430	1
2,4-Dichlorophenol	ND		ug/kg	720	1
2,4-Dimethylphenol	ND		ug/kg	360	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	720	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
4,6-Dinitro-o-cresol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	510	1
2-Methylphenol	ND		ug/kg	430	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	430	1
2,4,5-Trichlorophenol	ND		ug/kg	360	1
Benzoic Acid	ND		ug/kg	3600	1
Benzyl Alcohol	ND		ug/kg	720	1
Carbazole	ND		ug/kg	360	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	38		23-120
2-Fluorobiphenyl	39		30-120
2,4,6-Tribromophenol	49		19-120
4-Terphenyl-d14	52		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 19:05		
Analyst:	HL		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	14	1
2-Chloronaphthalene	ND		ug/kg	14	1
Fluoranthene	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	36	1
Naphthalene	ND		ug/kg	14	1
Benzo(a)anthracene	ND		ug/kg	14	1
Benzo(a)pyrene	ND		ug/kg	14	1
Benzo(b)fluoranthene	ND		ug/kg	14	1
Benzo(k)fluoranthene	ND		ug/kg	14	1
Chrysene	ND		ug/kg	14	1
Acenaphthylene	ND		ug/kg	14	1
Anthracene	ND		ug/kg	14	1
Benzo(ghi)perylene	ND		ug/kg	14	1
Fluorene	ND		ug/kg	14	1
Phenanthrene	ND		ug/kg	14	1
Dibenzo(a,h)anthracene	ND		ug/kg	14	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	14	1
Pyrene	ND		ug/kg	14	1
2-Methylnaphthalene	ND		ug/kg	14	1
Pentachlorophenol	ND		ug/kg	58	1
Hexachlorobenzene	ND		ug/kg	58	1
Hexachloroethane	ND		ug/kg	58	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	41		30-120
2,4,6-Tribromophenol	48		19-120
4-Terphenyl-d14	58		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 18:08		
Analyst:	AK		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	730	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	730	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	510	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	440	1
2,4-Dichlorophenol	ND		ug/kg	730	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	730	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	510	1
2-Methylphenol	ND		ug/kg	440	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	730	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	64		19-120
4-Terphenyl-d14	74		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 23:26		
Analyst:	HL		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	ND		ug/kg	15	1
Benzo(a)pyrene	ND		ug/kg	15	1
Benzo(b)fluoranthene	ND		ug/kg	15	1
Benzo(k)fluoranthene	ND		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	ND		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	ND		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	ND		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	59	1
Hexachlorobenzene	ND		ug/kg	59	1
Hexachloroethane	ND		ug/kg	59	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	63		19-120
4-Terphenyl-d14	76		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 18:32		
Analyst:	AK		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	440	1
Bis(2-chloroethyl)ether	ND		ug/kg	440	1
1,2-Dichlorobenzene	ND		ug/kg	440	1
1,3-Dichlorobenzene	ND		ug/kg	440	1
1,4-Dichlorobenzene	ND		ug/kg	440	1
3,3'-Dichlorobenzidine	ND		ug/kg	880	1
2,4-Dinitrotoluene	ND		ug/kg	440	1
2,6-Dinitrotoluene	ND		ug/kg	440	1
4-Chlorophenyl phenyl ether	ND		ug/kg	440	1
4-Bromophenyl phenyl ether	ND		ug/kg	440	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	1
Bis(2-chloroethoxy)methane	ND		ug/kg	440	1
Hexachlorocyclopentadiene	ND		ug/kg	880	1
Isophorone	ND		ug/kg	440	1
Nitrobenzene	ND		ug/kg	440	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	440	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	880	1
Butyl benzyl phthalate	ND		ug/kg	440	1
Di-n-butylphthalate	ND		ug/kg	440	1
Di-n-octylphthalate	ND		ug/kg	440	1
Diethyl phthalate	ND		ug/kg	440	1
Dimethyl phthalate	ND		ug/kg	440	1
Biphenyl	ND		ug/kg	440	1
4-Chloroaniline	ND		ug/kg	440	1
2-Nitroaniline	ND		ug/kg	440	1
3-Nitroaniline	ND		ug/kg	440	1
4-Nitroaniline	ND		ug/kg	610	1
Dibenzofuran	ND		ug/kg	440	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1800	1
2,4,6-Trichlorophenol	ND		ug/kg	440	1
P-Chloro-M-Cresol	ND		ug/kg	440	1
2-Chlorophenol	ND		ug/kg	530	1
2,4-Dichlorophenol	ND		ug/kg	880	1
2,4-Dimethylphenol	ND		ug/kg	440	1
2-Nitrophenol	ND		ug/kg	1800	1
4-Nitrophenol	ND		ug/kg	880	1
2,4-Dinitrophenol	ND		ug/kg	1800	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	1
Phenol	ND		ug/kg	610	1
2-Methylphenol	ND		ug/kg	530	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	1
2,4,5-Trichlorophenol	ND		ug/kg	440	1
Benzoic Acid	ND		ug/kg	4400	1
Benzyl Alcohol	ND		ug/kg	880	1
Carbazole	ND		ug/kg	440	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	62		19-120
4-Terphenyl-d14	66		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 23:56		
Analyst:	HL		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	18	1
2-Chloronaphthalene	ND		ug/kg	18	1
Fluoranthene	45		ug/kg	18	1
Hexachlorobutadiene	ND		ug/kg	44	1
Naphthalene	ND		ug/kg	18	1
Benzo(a)anthracene	32		ug/kg	18	1
Benzo(a)pyrene	44		ug/kg	18	1
Benzo(b)fluoranthene	74		ug/kg	18	1
Benzo(k)fluoranthene	26		ug/kg	18	1
Chrysene	34		ug/kg	18	1
Acenaphthylene	ND		ug/kg	18	1
Anthracene	ND		ug/kg	18	1
Benzo(ghi)perylene	38		ug/kg	18	1
Fluorene	ND		ug/kg	18	1
Phenanthrene	34		ug/kg	18	1
Dibenzo(a,h)anthracene	ND		ug/kg	18	1
Indeno(1,2,3-cd)Pyrene	26		ug/kg	18	1
Pyrene	41		ug/kg	18	1
2-Methylnaphthalene	ND		ug/kg	18	1
Pentachlorophenol	ND		ug/kg	70	1
Hexachlorobenzene	ND		ug/kg	70	1
Hexachloroethane	ND		ug/kg	70	1

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	69		19-120
4-Terphenyl-d14	75		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 18:56		
Analyst:	AK		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	2000	5
Bis(2-chloroethyl)ether	ND		ug/kg	2000	5
1,2-Dichlorobenzene	ND		ug/kg	2000	5
1,3-Dichlorobenzene	ND		ug/kg	2000	5
1,4-Dichlorobenzene	ND		ug/kg	2000	5
3,3'-Dichlorobenzidine	ND		ug/kg	4000	5
2,4-Dinitrotoluene	ND		ug/kg	2000	5
2,6-Dinitrotoluene	ND		ug/kg	2000	5
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	5
4-Bromophenyl phenyl ether	ND		ug/kg	2000	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	2000	5
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	5
Hexachlorocyclopentadiene	ND		ug/kg	4000	5
Isophorone	ND		ug/kg	2000	5
Nitrobenzene	ND		ug/kg	2000	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	6000	5
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	4000	5
Butyl benzyl phthalate	ND		ug/kg	2000	5
Di-n-butylphthalate	ND		ug/kg	2000	5
Di-n-octylphthalate	ND		ug/kg	2000	5
Diethyl phthalate	ND		ug/kg	2000	5
Dimethyl phthalate	ND		ug/kg	2000	5
Biphenyl	ND		ug/kg	2000	5
4-Chloroaniline	ND		ug/kg	2000	5
2-Nitroaniline	ND		ug/kg	2000	5
3-Nitroaniline	ND		ug/kg	2000	5
4-Nitroaniline	ND		ug/kg	2800	5
Dibenzofuran	ND		ug/kg	2000	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	7900	5

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-06 Date Collected: 05/29/09 09:45

Client ID: SV5-3-4 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	7900	5
2,4,6-Trichlorophenol	ND		ug/kg	2000	5
P-Chloro-M-Cresol	ND		ug/kg	2000	5
2-Chlorophenol	ND		ug/kg	2400	5
2,4-Dichlorophenol	ND		ug/kg	4000	5
2,4-Dimethylphenol	ND		ug/kg	2000	5
2-Nitrophenol	ND		ug/kg	7900	5
4-Nitrophenol	ND		ug/kg	4000	5
2,4-Dinitrophenol	ND		ug/kg	7900	5
4,6-Dinitro-o-cresol	ND		ug/kg	7900	5
Phenol	ND		ug/kg	2800	5
2-Methylphenol	ND		ug/kg	2400	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	2400	5
2,4,5-Trichlorophenol	ND		ug/kg	2000	5
Benzoic Acid	ND		ug/kg	20000	5
Benzyl Alcohol	ND		ug/kg	4000	5
Carbazole	ND		ug/kg	2000	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	78		19-120
4-Terphenyl-d14	81		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/03/09 01:26		
Analyst:	HL		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	160	10
2-Chloronaphthalene	ND		ug/kg	160	10
Fluoranthene	ND		ug/kg	160	10
Hexachlorobutadiene	ND		ug/kg	400	10
Naphthalene	ND		ug/kg	160	10
Benzo(a)anthracene	ND		ug/kg	160	10
Benzo(a)pyrene	ND		ug/kg	160	10
Benzo(b)fluoranthene	ND		ug/kg	160	10
Benzo(k)fluoranthene	ND		ug/kg	160	10
Chrysene	ND		ug/kg	160	10
Acenaphthylene	ND		ug/kg	160	10
Anthracene	ND		ug/kg	160	10
Benzo(ghi)perylene	ND		ug/kg	160	10
Fluorene	ND		ug/kg	160	10
Phenanthrene	ND		ug/kg	160	10
Dibenzo(a,h)anthracene	ND		ug/kg	160	10
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	10
Pyrene	ND		ug/kg	160	10
2-Methylnaphthalene	ND		ug/kg	160	10
Pentachlorophenol	ND		ug/kg	630	10
Hexachlorobenzene	ND		ug/kg	630	10
Hexachloroethane	ND		ug/kg	630	10

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	82		19-120
4-Terphenyl-d14	92		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:28
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG364610-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:28
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG364610-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	65		19-120
4-Terphenyl-d14	78		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:01
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG364612-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:01
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG364612-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	63		19-120
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG364610-2 WG364610-3					
1,2,4-Trichlorobenzene	62	64	38-107	3	50
1,2-Dichlorobenzene	58	63	40-140	8	50
1,4-Dichlorobenzene	58	59	28-104	2	50
2,4-Dinitrotoluene	81	83	28-89	2	50
2,6-Dinitrotoluene	74	72	40-140	3	50
4-Chlorophenyl phenyl ether	82	79	40-140	4	50
n-Nitrosodi-n-propylamine	64	63	41-126	2	50
Butyl benzyl phthalate	90	98	40-140	9	50
P-Chloro-M-Cresol	79	80	26-103	1	50
2-Chlorophenol	62	64	25-102	3	50
2-Nitrophenol	60	64	30-130	6	50
4-Nitrophenol	79	84	11-114	6	50
2,4-Dinitrophenol	8	6	4-130	30	50
Pentachlorophenol	61	58	17-109	5	50
Phenol	63	64	26-90	2	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG364610-2 WG364610-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		62		25-120
Phenol-d6	65		65		10-120
Nitrobenzene-d5	63		65		23-120
2-Fluorobiphenyl	69		69		30-120
2,4,6-Tribromophenol	96		91		19-120
4-Terphenyl-d14	92		93		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG364612-2 WG364612-3

Acenaphthene	64	68	31-137	6	50
2-Chloronaphthalene	84	88	40-140	5	50
Fluoranthene	91	90	40-140	1	50
Anthracene	80	88	40-140	10	50
Pyrene	93	88	35-142	6	50
Pentachlorophenol	31	37	17-109	18	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG364612-2 WG364612-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		63		25-120
Phenol-d6	59		66		10-120
Nitrobenzene-d5	61		69		23-120
2-Fluorobiphenyl	63		67		30-120
2,4,6-Tribromophenol	73		90		19-120
4-Terphenyl-d14	86		87		18-120

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 18:43	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	91%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	36.6	1
Aroclor 1221	ND		ug/kg	36.6	1
Aroclor 1232	ND		ug/kg	36.6	1
Aroclor 1242	ND		ug/kg	36.6	1
Aroclor 1248	ND		ug/kg	36.6	1
Aroclor 1254	ND		ug/kg	36.6	1
Aroclor 1260	ND		ug/kg	36.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 18:55	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	72%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	46.3	1
Aroclor 1221	ND		ug/kg	46.3	1
Aroclor 1232	ND		ug/kg	46.3	1
Aroclor 1242	ND		ug/kg	46.3	1
Aroclor 1248	ND		ug/kg	46.3	1
Aroclor 1254	ND		ug/kg	46.3	1
Aroclor 1260	ND		ug/kg	46.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 19:07	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	92%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	36.2	1
Aroclor 1221	ND		ug/kg	36.2	1
Aroclor 1232	ND		ug/kg	36.2	1
Aroclor 1242	ND		ug/kg	36.2	1
Aroclor 1248	ND		ug/kg	36.2	1
Aroclor 1254	ND		ug/kg	36.2	1
Aroclor 1260	ND		ug/kg	36.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 19:19	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	91%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	36.6	1
Aroclor 1221	ND		ug/kg	36.6	1
Aroclor 1232	ND		ug/kg	36.6	1
Aroclor 1242	ND		ug/kg	36.6	1
Aroclor 1248	ND		ug/kg	36.6	1
Aroclor 1254	ND		ug/kg	36.6	1
Aroclor 1260	ND		ug/kg	36.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 19:32	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	76%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	43.8	1
Aroclor 1221	ND		ug/kg	43.8	1
Aroclor 1232	ND		ug/kg	43.8	1
Aroclor 1242	ND		ug/kg	43.8	1
Aroclor 1248	ND		ug/kg	43.8	1
Aroclor 1254	ND		ug/kg	43.8	1
Aroclor 1260	ND		ug/kg	43.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 19:44	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	84%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	39.7	1
Aroclor 1221	ND		ug/kg	39.7	1
Aroclor 1232	ND		ug/kg	39.7	1
Aroclor 1242	ND		ug/kg	39.7	1
Aroclor 1248	ND		ug/kg	39.7	1
Aroclor 1254	ND		ug/kg	39.7	1
Aroclor 1260	ND		ug/kg	39.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/05/09 18:06
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/02/09 14:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/04/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG364848-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0906972

Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG364848-2 WG364848-3					
Aroclor 1016	78	58	40-140	29	30
Aroclor 1260	78	59	40-140	28	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		45		30-150	A
Decachlorobiphenyl	79		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		46		30-150	B
Decachlorobiphenyl	83		66		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/04/09 18:26	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.66	1
Lindane	ND		ug/kg	3.66	1
Alpha-BHC	ND		ug/kg	3.66	1
Beta-BHC	ND		ug/kg	3.66	1
Heptachlor	ND		ug/kg	3.66	1
Aldrin	ND		ug/kg	3.66	1
Heptachlor epoxide	ND		ug/kg	3.66	1
Endrin	ND		ug/kg	3.66	1
Endrin ketone	ND		ug/kg	3.66	1
Dieldrin	ND		ug/kg	3.66	1
4,4'-DDE	ND		ug/kg	3.66	1
4,4'-DDD	ND		ug/kg	3.66	1
4,4'-DDT	ND		ug/kg	3.66	1
Endosulfan I	ND		ug/kg	3.66	1
Endosulfan II	ND		ug/kg	3.66	1
Endosulfan sulfate	ND		ug/kg	3.66	1
Methoxychlor	ND		ug/kg	14.6	1
trans-Chlordane	ND		ug/kg	3.66	1
Chlordane	ND		ug/kg	36.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-01	Date Collected:	05/28/09 14:40
Client ID:	GB8-5-6	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 19:48		
Analyst:	SS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.037	1
2,4,5-T	ND		mg/kg	0.037	1
2,4,5-TP (Silvex)	ND		mg/kg	0.037	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	70		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/08/09 15:24	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	116	25
Lindane	ND		ug/kg	116	25
Alpha-BHC	ND		ug/kg	116	25
Beta-BHC	ND		ug/kg	116	25
Heptachlor	ND		ug/kg	116	25
Aldrin	ND		ug/kg	116	25
Heptachlor epoxide	ND		ug/kg	116	25
Endrin	ND		ug/kg	116	25
Endrin ketone	ND		ug/kg	116	25
Dieldrin	ND		ug/kg	116	25
4,4'-DDE	ND		ug/kg	116	25
4,4'-DDD	ND		ug/kg	116	25
4,4'-DDT	ND		ug/kg	116	25
Endosulfan I	ND		ug/kg	116	25
Endosulfan II	ND		ug/kg	116	25
Endosulfan sulfate	ND		ug/kg	116	25
Methoxychlor	ND		ug/kg	463	25
trans-Chlordane	ND		ug/kg	116	25
Chlordane	ND		ug/kg	1160	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	131		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-02	Date Collected:	05/29/09 09:15
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 20:08		
Analyst:	SS		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.046	1
2,4,5-T	ND		mg/kg	0.046	1
2,4,5-TP (Silvex)	ND		mg/kg	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	**168**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/04/09 18:53	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.62	1
Lindane	ND		ug/kg	3.62	1
Alpha-BHC	ND		ug/kg	3.62	1
Beta-BHC	ND		ug/kg	3.62	1
Heptachlor	ND		ug/kg	3.62	1
Aldrin	ND		ug/kg	3.62	1
Heptachlor epoxide	ND		ug/kg	3.62	1
Endrin	ND		ug/kg	3.62	1
Endrin ketone	ND		ug/kg	3.62	1
Dieldrin	ND		ug/kg	3.62	1
4,4'-DDE	ND		ug/kg	3.62	1
4,4'-DDD	ND		ug/kg	3.62	1
4,4'-DDT	ND		ug/kg	3.62	1
Endosulfan I	ND		ug/kg	3.62	1
Endosulfan II	ND		ug/kg	3.62	1
Endosulfan sulfate	ND		ug/kg	3.62	1
Methoxychlor	ND		ug/kg	14.5	1
trans-Chlordane	ND		ug/kg	3.62	1
Chlordane	ND		ug/kg	36.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-03	Date Collected:	05/29/09 11:55
Client ID:	GB9-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 20:28		
Analyst:	SS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.036	1
2,4,5-T	ND		mg/kg	0.036	1
2,4,5-TP (Silvex)	ND		mg/kg	0.036	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	100		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/04/09 19:06	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.66	1
Lindane	ND		ug/kg	3.66	1
Alpha-BHC	ND		ug/kg	3.66	1
Beta-BHC	ND		ug/kg	3.66	1
Heptachlor	ND		ug/kg	3.66	1
Aldrin	ND		ug/kg	3.66	1
Heptachlor epoxide	ND		ug/kg	3.66	1
Endrin	ND		ug/kg	3.66	1
Endrin ketone	ND		ug/kg	3.66	1
Dieldrin	ND		ug/kg	3.66	1
4,4'-DDE	ND		ug/kg	3.66	1
4,4'-DDD	ND		ug/kg	3.66	1
4,4'-DDT	ND		ug/kg	3.66	1
Endosulfan I	ND		ug/kg	3.66	1
Endosulfan II	ND		ug/kg	3.66	1
Endosulfan sulfate	ND		ug/kg	3.66	1
Methoxychlor	ND		ug/kg	14.6	1
trans-Chlordane	ND		ug/kg	3.66	1
Chlordane	ND		ug/kg	36.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-04	Date Collected:	05/29/09 12:55
Client ID:	GB10-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 20:48		
Analyst:	SS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.037	1
2,4,5-T	ND		mg/kg	0.037	1
2,4,5-TP (Silvex)	ND		mg/kg	0.037	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	87		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/08/09 10:33	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.38	1
Lindane	ND		ug/kg	4.38	1
Alpha-BHC	ND		ug/kg	4.38	1
Beta-BHC	ND		ug/kg	4.38	1
Heptachlor	ND		ug/kg	4.38	1
Aldrin	ND		ug/kg	4.38	1
Heptachlor epoxide	ND		ug/kg	4.38	1
Endrin	ND		ug/kg	4.38	1
Endrin ketone	ND		ug/kg	4.38	1
Dieldrin	ND		ug/kg	4.38	1
4,4'-DDE	ND		ug/kg	4.38	1
4,4'-DDD	ND		ug/kg	4.38	1
4,4'-DDT	ND		ug/kg	4.38	1
Endosulfan I	ND		ug/kg	4.38	1
Endosulfan II	ND		ug/kg	4.38	1
Endosulfan sulfate	ND		ug/kg	4.38	1
Methoxychlor	ND		ug/kg	17.5	1
trans-Chlordane	ND		ug/kg	4.38	1
Chlordane	ND		ug/kg	43.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**21**		30-150	A
Decachlorobiphenyl	**25**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**18**		30-150	B
Decachlorobiphenyl	**22**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-05	Date Collected:	05/29/09 13:30
Client ID:	B2(OW)-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 21:07		
Analyst:	SS		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.044	1
2,4,5-T	ND		mg/kg	0.044	1
2,4,5-TP (Silvex)	ND		mg/kg	0.044	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	81		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/04/09 19:33	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.97	1
Lindane	ND		ug/kg	3.97	1
Alpha-BHC	ND		ug/kg	3.97	1
Beta-BHC	ND		ug/kg	3.97	1
Heptachlor	ND		ug/kg	3.97	1
Aldrin	ND		ug/kg	3.97	1
Heptachlor epoxide	ND		ug/kg	3.97	1
Endrin	ND		ug/kg	3.97	1
Endrin ketone	ND		ug/kg	3.97	1
Dieldrin	ND		ug/kg	3.97	1
4,4'-DDE	ND		ug/kg	3.97	1
4,4'-DDD	ND		ug/kg	3.97	1
4,4'-DDT	ND		ug/kg	3.97	1
Endosulfan I	ND		ug/kg	3.97	1
Endosulfan II	ND		ug/kg	3.97	1
Endosulfan sulfate	ND		ug/kg	3.97	1
Methoxychlor	ND		ug/kg	15.9	1
trans-Chlordane	ND		ug/kg	3.97	1
Chlordane	ND		ug/kg	39.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906972-06	Date Collected:	05/29/09 09:45
Client ID:	SV5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 21:27		
Analyst:	SS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.040	1
2,4,5-T	ND		mg/kg	0.040	1
2,4,5-TP (Silvex)	ND		mg/kg	0.040	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	86		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/04/09 17:47
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/01/09 21:30
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/03/09

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG364734-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 06/05/09 18:48
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 06/02/09 09:50

Parameter	Result	Qualifier	Units	RDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG364774-1				
2,4-D	ND		mg/kg	0.033
2,4,5-T	ND		mg/kg	0.033
2,4,5-TP (Silvex)	ND		mg/kg	0.033

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG364734-2 WG364734-3					
Delta-BHC	63	69	30-150	9	30
Lindane	60	67	30-150	11	30
Alpha-BHC	58	66	30-150	13	30
Beta-BHC	63	70	30-150	11	30
Heptachlor	59	66	30-150	11	30
Aldrin	60	66	30-150	10	30
Heptachlor epoxide	70	72	30-150	3	30
Endrin	67	69	30-150	3	30
Endrin ketone	62	66	30-150	6	30
Dieldrin	69	71	30-150	3	30
4,4'-DDE	70	74	30-150	6	30
4,4'-DDD	72	76	30-150	5	30
4,4'-DDT	65	69	30-150	6	30
Endosulfan I	67	69	30-150	3	30
Endosulfan II	68	70	30-150	3	30
Endosulfan sulfate	59	64	30-150	8	30
Methoxychlor	64	68	30-150	6	30
trans-Chlordane	64	66	30-150	3	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG364734-2 WG364734-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		70		30-150	A
Decachlorobiphenyl	73		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		60		30-150	B
Decachlorobiphenyl	60		58		30-150	B

Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG364774-2 WG364774-3

2,4-D	55	60	30-150	9	30
2,4,5-T	57	62	30-150	8	30
2,4,5-TP (Silvex)	57	61	30-150	7	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	58		65		30-150	A
DCAA	57		61		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-01 Date Collected: 05/28/09 14:40

Client ID: GB8-5-6 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	8300		mg/kg	4.2	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Arsenic, Total	1.6		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Barium, Total	45		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Beryllium, Total	0.50		mg/kg	0.21	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Calcium, Total	1000		mg/kg	4.2	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Chromium, Total	20		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Cobalt, Total	7.1		mg/kg	0.84	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Copper, Total	28		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Iron, Total	20000		mg/kg	10	5	05/30/09 13:00	06/04/09 18:01	EPA 3050B	1,6010B	AI
Lead, Total	5.4		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Magnesium, Total	2800		mg/kg	4.2	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Manganese, Total	300		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:05	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.0	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Potassium, Total	1800		mg/kg	100	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.84	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Sodium, Total	720		mg/kg	84	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.84	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Vanadium, Total	30		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI
Zinc, Total	49		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:36	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-02 Date Collected: 05/29/09 09:15

Client ID: GB20-8-9 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	3700		mg/kg	5.4	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Antimony, Total	11		mg/kg	2.7	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Arsenic, Total	15		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Barium, Total	730		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Beryllium, Total	0.63		mg/kg	0.27	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Cadmium, Total	1.8		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Calcium, Total	16000		mg/kg	5.4	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Chromium, Total	32		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Cobalt, Total	8.3		mg/kg	1.1	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Copper, Total	510		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Iron, Total	68000		mg/kg	27	10	05/30/09 13:00	06/04/09 18:22	EPA 3050B	1,6010B	AI
Lead, Total	1100		mg/kg	2.7	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Magnesium, Total	1400		mg/kg	5.4	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Manganese, Total	320		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Mercury, Total	2.8		mg/kg	0.22	2	06/03/09 19:30	06/04/09 14:24	EPA 7471A	1,7471A	EZ
Nickel, Total	40		mg/kg	1.4	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Potassium, Total	710		mg/kg	140	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Selenium, Total	3.3		mg/kg	1.1	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Silver, Total	3.0		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Sodium, Total	1500		mg/kg	110	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	1.1	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Vanadium, Total	17		mg/kg	0.54	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI
Zinc, Total	810		mg/kg	2.7	1	05/30/09 13:00	06/03/09 20:40	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-03 Date Collected: 05/29/09 11:55

Client ID: GB9-8-9 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	7700		mg/kg	4.2	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Arsenic, Total	1.0		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Barium, Total	42		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Beryllium, Total	0.56		mg/kg	0.21	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Calcium, Total	2800		mg/kg	4.2	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Chromium, Total	18		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Cobalt, Total	6.8		mg/kg	0.85	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Copper, Total	23		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Iron, Total	18000		mg/kg	10	5	05/30/09 13:00	06/04/09 18:25	EPA 3050B	1,6010B	AI
Lead, Total	4.4		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Magnesium, Total	3000		mg/kg	4.2	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Manganese, Total	240		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:13	EPA 7471A	1,7471A	EZ
Nickel, Total	14		mg/kg	1.0	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Potassium, Total	1300		mg/kg	100	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.85	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Sodium, Total	580		mg/kg	85	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.85	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Vanadium, Total	26		mg/kg	0.42	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI
Zinc, Total	35		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:43	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-04 Date Collected: 05/29/09 12:55

Client ID: GB10-3-4 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	9700		mg/kg	4.3	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Arsenic, Total	0.95		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Barium, Total	110		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Beryllium, Total	0.55		mg/kg	0.21	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Calcium, Total	1400		mg/kg	4.3	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Chromium, Total	22		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Cobalt, Total	9.8		mg/kg	0.86	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Copper, Total	24		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Iron, Total	25000		mg/kg	11	5	05/30/09 13:00	06/04/09 18:28	EPA 3050B	1,6010B	AI
Lead, Total	6.2		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Magnesium, Total	3300		mg/kg	4.3	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Manganese, Total	1000		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.08	1	06/03/09 19:30	06/04/09 13:15	EPA 7471A	1,7471A	EZ
Nickel, Total	20		mg/kg	1.1	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Potassium, Total	3500		mg/kg	110	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.86	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Sodium, Total	980		mg/kg	86	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.86	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Vanadium, Total	33		mg/kg	0.43	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI
Zinc, Total	54		mg/kg	2.1	1	05/30/09 13:00	06/03/09 20:46	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-05 Date Collected: 05/29/09 13:30

Client ID: B2(OW)-2-3 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	3100		mg/kg	4.8	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Antimony, Total	4.5		mg/kg	2.4	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Arsenic, Total	5.9		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Barium, Total	170		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Beryllium, Total	0.38		mg/kg	0.24	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Cadmium, Total	0.62		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Calcium, Total	35000		mg/kg	4.8	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Chromium, Total	9.6		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Cobalt, Total	4.1		mg/kg	0.95	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Copper, Total	100		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Iron, Total	20000		mg/kg	12	5	05/30/09 13:00	06/04/09 18:31	EPA 3050B	1,6010B	AI
Lead, Total	310		mg/kg	2.4	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Magnesium, Total	4800		mg/kg	4.8	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Manganese, Total	150		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Mercury, Total	0.82		mg/kg	0.10	1	06/03/09 19:30	06/04/09 13:17	EPA 7471A	1,7471A	EZ
Nickel, Total	17		mg/kg	1.2	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Potassium, Total	840		mg/kg	120	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Selenium, Total	1.0		mg/kg	0.95	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Silver, Total	0.62		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Sodium, Total	650		mg/kg	95	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.95	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Vanadium, Total	13		mg/kg	0.48	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI
Zinc, Total	260		mg/kg	2.4	1	05/30/09 13:00	06/03/09 21:06	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-06 Date Collected: 05/29/09 09:45

Client ID: SV5-3-4 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	3600		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Antimony, Total	6.8		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Arsenic, Total	9.0		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Barium, Total	560		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Beryllium, Total	0.52		mg/kg	0.22	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Cadmium, Total	2.1		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Calcium, Total	16000		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Chromium, Total	39		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Cobalt, Total	5.3		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Copper, Total	260		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Iron, Total	18000		mg/kg	11	5	05/30/09 13:00	06/04/09 18:35	EPA 3050B	1,6010B	AI
Lead, Total	960		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Magnesium, Total	6400		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Manganese, Total	130		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Mercury, Total	0.87		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:18	EPA 7471A	1,7471A	EZ
Nickel, Total	24		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Potassium, Total	440		mg/kg	110	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Selenium, Total	1.8		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Silver, Total	3.7		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Sodium, Total	460		mg/kg	90	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Vanadium, Total	22		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI
Zinc, Total	720		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:09	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG364554-1									
Aluminum, Total	ND		mg/kg	4.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Antimony, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Arsenic, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Barium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Beryllium, Total	ND		mg/kg	0.20	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Calcium, Total	ND		mg/kg	4.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Chromium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Cobalt, Total	ND		mg/kg	0.80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Copper, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Iron, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Lead, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Magnesium, Total	ND		mg/kg	4.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Manganese, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Nickel, Total	ND		mg/kg	1.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Potassium, Total	ND		mg/kg	100	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Silver, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Sodium, Total	ND		mg/kg	80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Thallium, Total	ND		mg/kg	0.80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Vanadium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Zinc, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG365119-1									
Mercury, Total	ND		mg/kg	0.08	1	06/03/09 19:30	06/04/09 13:01	1,7471A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0906972

Project Number: 5817802 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG364554-2					
Aluminum, Total	101	-	75-125	-	
Antimony, Total	102	-	75-125	-	
Arsenic, Total	102	-	75-125	-	
Barium, Total	103	-	75-125	-	
Beryllium, Total	107	-	75-125	-	
Cadmium, Total	110	-	75-125	-	
Calcium, Total	97	-	75-125	-	
Chromium, Total	106	-	75-125	-	
Cobalt, Total	107	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	104	-	75-125	-	
Lead, Total	100	-	75-125	-	
Magnesium, Total	94	-	75-125	-	
Manganese, Total	102	-	75-125	-	
Nickel, Total	102	-	75-125	-	
Potassium, Total	99	-	75-125	-	
Selenium, Total	102	-	75-125	-	
Silver, Total	102	-	75-125	-	
Sodium, Total	94	-	75-125	-	
Thallium, Total	96	-	75-125	-	
Vanadium, Total	107	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG364554-2					
Zinc, Total	102	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG365119-2					
Mercury, Total	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG364554-4 QC Sample: L0906979-01 Client ID: MS Sample									
Aluminum, Total	7200	81.3	7400	**246**	-	-	75-125	-	35
Antimony, Total	ND	20.3	12	**59**	-	-	75-125	-	35
Arsenic, Total	4.6	4.88	9.8	107	-	-	75-125	-	35
Barium, Total	26	81.3	110	103	-	-	75-125	-	35
Beryllium, Total	0.35	2.03	2.4	101	-	-	75-125	-	35
Cadmium, Total	ND	2.07	2.1	101	-	-	75-125	-	35
Calcium, Total	1000	406	1600	**148**	-	-	75-125	-	35
Chromium, Total	18	8.13	40	**271**	-	-	75-125	-	35
Cobalt, Total	3.6	20.3	23	95	-	-	75-125	-	35
Copper, Total	8.9	10.2	20	109	-	-	75-125	-	35
Iron, Total	8000	40.6	8100	**246**	-	-	75-125	-	35
Lead, Total	3.8	20.7	22	88	-	-	75-125	-	35
Magnesium, Total	3000	406	3700	**172**	-	-	75-125	-	35
Manganese, Total	98	20.3	120	108	-	-	75-125	-	35
Nickel, Total	13	20.3	36	113	-	-	75-125	-	35
Potassium, Total	1900	406	2600	**172**	-	-	75-125	-	35
Selenium, Total	ND	4.88	4.8	98	-	-	75-125	-	35
Silver, Total	ND	12.2	12	98	-	-	75-125	-	35
Sodium, Total	140	406	500	88	-	-	75-125	-	35
Thallium, Total	ND	4.88	4.2	86	-	-	75-125	-	35
Vanadium, Total	15	20.3	35	98	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG364554-4 QC Sample: L0906979-01 Client ID: MS Sample									
Zinc, Total	37	20.3	60	113	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365119-4 QC Sample: L0906972-01 Client ID: GB8-5-6									
Mercury, Total	ND	0.175	0.22	126	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG364554-3 QC Sample: L0906979-01 Client ID: DUP Sample					
Arsenic, Total	4.6	4.6	mg/kg	0	35
Barium, Total	26	30	mg/kg	14	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	18	23	mg/kg	24	35
Lead, Total	3.8	3.5	mg/kg	8	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365119-3 QC Sample: L0906972-01 Client ID: GB8-5-6					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-01
Client ID: GB8-5-6
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 14:40
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	06/02/09 13:59	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-02
Client ID: GB20-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 09:15
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	72		%	0.10	1	-	06/02/09 13:59	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-03
Client ID: GB9-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 11:55
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	92		%	0.10	1	-	06/02/09 13:59	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-04
Client ID: GB10-3-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 12:55
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	06/02/09 13:59	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-05
Client ID: B2(OW)-2-3
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 13:30
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	76		%	0.10	1	-	06/02/09 13:59	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID: L0906972-06
Client ID: SV5-3-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 09:45
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	84		%	0.10	1	-	06/02/09 13:59	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG364829-1 QC Sample: L0906972-01 Client ID: GB8-5-6					
Solids, Total	91	91	%	0	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906972-01A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0906972-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906972-01C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906972-02A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0906972-02B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906972-02C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906972-03A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0906972-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906972-03C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906972-04A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0906972-04B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906972
Report Date: 06/08/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906972-04C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906972-05A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0906972-05B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906972-05C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906972-06A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0906972-06B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0906972-06C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Container Comments

L0906972-01B

L0906972-02B

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906972
Project Number:	5817802	**Report Date:**	06/08/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0906972
Project Number: 5817802 **Report Date:** 06/08/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

06080920:44

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/29/09

ALPHA Job #: L0906972

Client Information

Client: Langan Engineering

Address: 360 W 31st Street 8th Floor, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers Island

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/5/09 Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL ☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals					Sample Specific Comments	TOTAL # BOTTLES
06972.1	GB8-5-6	5/28	240PM	S	JFG	X	X	X	X	X	X					3 jars	
2	GB20-8-9	5/29	9[illegible]15	S	JFG	X	X	X	X	X	X					3 jars	
3	GB9-8-9	5/29	1155	S	JFG	X	X	X	X	X	X					3 jars	
4	GB10-3-4	5/29	1255PM	S	JFG	X	X	X	X	X	X					3 jars	
5	B2(OW)-2-3	5/29	130PM	S	JFG	X	X	X	X	X	X					3 jars	
6	SV5-3-4	5/29	945	S	JFG	X	X	X	X	X	X					3 jars	

Container Type															
Preservative															

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/29/09	[signature]	5/29/09 1450
[signature]	5/29/09 1755	[signature]	5/29/09 1755
[signature]	5/29/09 20:30	[signature]	5/29/09 20:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0907033
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Canouse
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/10/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907033-01	GB11-7-8	RIKERS ISLAND, NY	06/01/09 10:30
L0907033-02	GB21-5-6	RIKERS ISLAND, NY	06/01/09 11:05
L0907033-03	GB12-3-4	RIKERS ISLAND, NY	06/01/09 11:40
L0907033-04	GB13-9-10	RIKERS ISLAND, NY	06/01/09 12:10
L0907033-05	GB14-5-6	RIKERS ISLAND, NY	06/01/09 13:40

Project Name: RIKERS ISLAND **Lab Number:** L0907033
Project Number: 5817802 **Report Date:** 06/10/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics by SIM

L0907033-03 through -05 have elevated detection limits due to the dilutions required by the sample matrices. The surrogate recovery for WG364842-1 Method Blank is outside the individual acceptance criteria for 2-Fluorobiphenyl (28%), but within the overall method allowances. The results of the original analysis are reported.

Semivolatile Organics

The surrogate recovery for L0907033-03 is outside the individual acceptance criteria for 2,4,6-Tribromophenol (16%), but within the overall method allowances. The results of the original analysis are reported.

Project Name: RIKERS ISLAND **Lab Number:** L0907033
Project Number: 5817802 **Report Date:** 06/10/09

Case Narrative (continued)

The surrogate recovery for WG364838-1 Method Blank is outside the individual acceptance criteria for 2-Fluorobiphenyl (29%), but within the overall method allowances. The results of the original analysis are reported.

PCB

The surrogate recovery for L0907033-05 is outside the individual acceptance criteria for Decachlorobiphenyl (228%), but within the overall method allowances. The results of the original analysis are reported.

Pesticides

The surrogate recovery for L0907033-01 is outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (27%), but within the overall method allowances. The results of the original analysis are reported.
L0907033-03 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Herbicide

L0907033-01 through -05: The Continuing Calibration recoveries were above method acceptance criteria; however, the samples were non-detect for the target analytes. Therefore, no further actions were taken.

Metals

L0907033-01 through -05 have elevated detection limits for Iron due to the dilutions required to quantitate the result within the calibration range.
L0907033-03, -04, and -05 have elevated detection limits for Merury due to the analytical dilutions required to quantitate the results within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Title: Technical Director/Representative Date: 06/10/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/02/09 11:44		
Analyst:	PD		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	28	1
1,1-Dichloroethane	ND		ug/kg	4.2	1
Chloroform	ND		ug/kg	4.2	1
Carbon tetrachloride	ND		ug/kg	2.8	1
1,2-Dichloropropane	ND		ug/kg	9.7	1
Dibromochloromethane	ND		ug/kg	2.8	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1
Tetrachloroethene	ND		ug/kg	2.8	1
Chlorobenzene	ND		ug/kg	2.8	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.8	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	1
Bromodichloromethane	ND		ug/kg	2.8	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	1
Benzene	ND		ug/kg	2.8	1
Toluene	ND		ug/kg	4.2	1
Ethylbenzene	ND		ug/kg	2.8	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.6	1
Vinyl chloride	ND		ug/kg	5.6	1
Chloroethane	ND		ug/kg	5.6	1
1,1-Dichloroethene	ND		ug/kg	2.8	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1
Trichloroethene	ND		ug/kg	2.8	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-01 Date Collected: 06/01/09 10:30

Client ID: GB11-7-8 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.6	1
p/m-Xylene	ND		ug/kg	5.6	1
o-Xylene	ND		ug/kg	5.6	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	1
Dibromomethane	ND		ug/kg	28	1
Styrene	ND		ug/kg	5.6	1
Dichlorodifluoromethane	ND		ug/kg	28	1
Acetone	ND		ug/kg	28	1
Carbon disulfide	ND		ug/kg	28	1
2-Butanone	ND		ug/kg	28	1
Vinyl acetate	ND		ug/kg	28	1
4-Methyl-2-pentanone	ND		ug/kg	28	1
1,2,3-Trichloropropane	ND		ug/kg	28	1
2-Hexanone	ND		ug/kg	28	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.8	1
sec-Butylbenzene	ND		ug/kg	2.8	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.8	1
p-Isopropyltoluene	ND		ug/kg	2.8	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	28	1
n-Propylbenzene	ND		ug/kg	2.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	86		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/02/09 12:20		
Analyst:	PD		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	28	1
1,1-Dichloroethane	ND		ug/kg	4.2	1
Chloroform	ND		ug/kg	4.2	1
Carbon tetrachloride	ND		ug/kg	2.8	1
1,2-Dichloropropane	ND		ug/kg	9.7	1
Dibromochloromethane	ND		ug/kg	2.8	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1
Tetrachloroethene	ND		ug/kg	2.8	1
Chlorobenzene	ND		ug/kg	2.8	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.8	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	1
Bromodichloromethane	ND		ug/kg	2.8	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	1
Benzene	ND		ug/kg	2.8	1
Toluene	ND		ug/kg	4.2	1
Ethylbenzene	ND		ug/kg	2.8	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.6	1
Vinyl chloride	ND		ug/kg	5.6	1
Chloroethane	ND		ug/kg	5.6	1
1,1-Dichloroethene	ND		ug/kg	2.8	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1
Trichloroethene	ND		ug/kg	2.8	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.6	1
p/m-Xylene	ND		ug/kg	5.6	1
o-Xylene	ND		ug/kg	5.6	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	1
Dibromomethane	ND		ug/kg	28	1
Styrene	ND		ug/kg	5.6	1
Dichlorodifluoromethane	ND		ug/kg	28	1
Acetone	ND		ug/kg	28	1
Carbon disulfide	ND		ug/kg	28	1
2-Butanone	ND		ug/kg	28	1
Vinyl acetate	ND		ug/kg	28	1
4-Methyl-2-pentanone	ND		ug/kg	28	1
1,2,3-Trichloropropane	ND		ug/kg	28	1
2-Hexanone	ND		ug/kg	28	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.8	1
sec-Butylbenzene	ND		ug/kg	2.8	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.8	1
p-Isopropyltoluene	ND		ug/kg	2.8	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	28	1
n-Propylbenzene	ND		ug/kg	2.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	80		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/02/09 12:56		
Analyst:	PD		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	30	1
1,1-Dichloroethane	ND		ug/kg	4.5	1
Chloroform	ND		ug/kg	4.5	1
Carbon tetrachloride	ND		ug/kg	3.0	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	3.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1
Tetrachloroethene	ND		ug/kg	3.0	1
Chlorobenzene	ND		ug/kg	3.0	1
Trichlorofluoromethane	ND		ug/kg	15	1
1,2-Dichloroethane	ND		ug/kg	3.0	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	1
Bromodichloromethane	ND		ug/kg	3.0	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	1
1,1-Dichloropropene	ND		ug/kg	15	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	1
Benzene	ND		ug/kg	3.0	1
Toluene	ND		ug/kg	4.5	1
Ethylbenzene	ND		ug/kg	3.0	1
Chloromethane	ND		ug/kg	15	1
Bromomethane	ND		ug/kg	6.0	1
Vinyl chloride	ND		ug/kg	6.0	1
Chloroethane	ND		ug/kg	6.0	1
1,1-Dichloroethene	ND		ug/kg	3.0	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1
Trichloroethene	ND		ug/kg	3.0	1
1,2-Dichlorobenzene	ND		ug/kg	15	1
1,3-Dichlorobenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	15	1
Methyl tert butyl ether	ND		ug/kg	6.0	1
p/m-Xylene	ND		ug/kg	6.0	1
o-Xylene	ND		ug/kg	6.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	1
Dibromomethane	ND		ug/kg	30	1
Styrene	ND		ug/kg	6.0	1
Dichlorodifluoromethane	ND		ug/kg	30	1
Acetone	ND		ug/kg	30	1
Carbon disulfide	ND		ug/kg	30	1
2-Butanone	ND		ug/kg	30	1
Vinyl acetate	ND		ug/kg	30	1
4-Methyl-2-pentanone	ND		ug/kg	30	1
1,2,3-Trichloropropane	ND		ug/kg	30	1
2-Hexanone	ND		ug/kg	30	1
Bromochloromethane	ND		ug/kg	15	1
2,2-Dichloropropane	ND		ug/kg	15	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1
Bromobenzene	ND		ug/kg	15	1
n-Butylbenzene	ND		ug/kg	3.0	1
sec-Butylbenzene	ND		ug/kg	3.0	1
tert-Butylbenzene	ND		ug/kg	15	1
o-Chlorotoluene	ND		ug/kg	15	1
p-Chlorotoluene	ND		ug/kg	15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	15	1
Isopropylbenzene	ND		ug/kg	3.0	1
p-Isopropyltoluene	ND		ug/kg	3.0	1
Naphthalene	ND		ug/kg	15	1
Acrylonitrile	ND		ug/kg	30	1
n-Propylbenzene	ND		ug/kg	3.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	83		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/02/09 13:32		
Analyst:	PD		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	33	1
1,1-Dichloroethane	ND		ug/kg	4.9	1
Chloroform	ND		ug/kg	4.9	1
Carbon tetrachloride	ND		ug/kg	3.3	1
1,2-Dichloropropane	ND		ug/kg	12	1
Dibromochloromethane	ND		ug/kg	3.3	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1
Tetrachloroethene	ND		ug/kg	3.3	1
Chlorobenzene	ND		ug/kg	3.3	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.3	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	1
Bromodichloromethane	ND		ug/kg	3.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	1
Benzene	ND		ug/kg	3.3	1
Toluene	ND		ug/kg	4.9	1
Ethylbenzene	ND		ug/kg	3.3	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.6	1
Vinyl chloride	ND		ug/kg	6.6	1
Chloroethane	ND		ug/kg	6.6	1
1,1-Dichloroethene	ND		ug/kg	3.3	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1
Trichloroethene	ND		ug/kg	3.3	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.6	1
p/m-Xylene	ND		ug/kg	6.6	1
o-Xylene	ND		ug/kg	6.6	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	1
Dibromomethane	ND		ug/kg	33	1
Styrene	ND		ug/kg	6.6	1
Dichlorodifluoromethane	ND		ug/kg	33	1
Acetone	ND		ug/kg	33	1
Carbon disulfide	ND		ug/kg	33	1
2-Butanone	ND		ug/kg	33	1
Vinyl acetate	ND		ug/kg	33	1
4-Methyl-2-pentanone	ND		ug/kg	33	1
1,2,3-Trichloropropane	ND		ug/kg	33	1
2-Hexanone	ND		ug/kg	33	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.3	1
sec-Butylbenzene	ND		ug/kg	3.3	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.3	1
p-Isopropyltoluene	ND		ug/kg	3.3	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	33	1
n-Propylbenzene	ND		ug/kg	3.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	89		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/02/09 14:08		
Analyst:	PD		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	35	1
1,1-Dichloroethane	ND		ug/kg	5.3	1
Chloroform	ND		ug/kg	5.3	1
Carbon tetrachloride	ND		ug/kg	3.5	1
1,2-Dichloropropane	ND		ug/kg	12	1
Dibromochloromethane	ND		ug/kg	3.5	1
1,1,2-Trichloroethane	ND		ug/kg	5.3	1
Tetrachloroethene	ND		ug/kg	3.5	1
Chlorobenzene	ND		ug/kg	3.5	1
Trichlorofluoromethane	ND		ug/kg	18	1
1,2-Dichloroethane	ND		ug/kg	3.5	1
1,1,1-Trichloroethane	ND		ug/kg	3.5	1
Bromodichloromethane	ND		ug/kg	3.5	1
trans-1,3-Dichloropropene	ND		ug/kg	3.5	1
cis-1,3-Dichloropropene	ND		ug/kg	3.5	1
1,1-Dichloropropene	ND		ug/kg	18	1
Bromoform	ND		ug/kg	14	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.5	1
Benzene	ND		ug/kg	3.5	1
Toluene	ND		ug/kg	5.3	1
Ethylbenzene	ND		ug/kg	3.5	1
Chloromethane	ND		ug/kg	18	1
Bromomethane	ND		ug/kg	7.0	1
Vinyl chloride	ND		ug/kg	7.0	1
Chloroethane	ND		ug/kg	7.0	1
1,1-Dichloroethene	ND		ug/kg	3.5	1
trans-1,2-Dichloroethene	ND		ug/kg	5.3	1
Trichloroethene	ND		ug/kg	3.5	1
1,2-Dichlorobenzene	ND		ug/kg	18	1
1,3-Dichlorobenzene	ND		ug/kg	18	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-05 Date Collected: 06/01/09 13:40

Client ID: GB14-5-6 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	18	1
Methyl tert butyl ether	ND		ug/kg	7.0	1
p/m-Xylene	ND		ug/kg	7.0	1
o-Xylene	ND		ug/kg	7.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.5	1
Dibromomethane	ND		ug/kg	35	1
Styrene	ND		ug/kg	7.0	1
Dichlorodifluoromethane	ND		ug/kg	35	1
Acetone	74		ug/kg	35	1
Carbon disulfide	ND		ug/kg	35	1
2-Butanone	ND		ug/kg	35	1
Vinyl acetate	ND		ug/kg	35	1
4-Methyl-2-pentanone	ND		ug/kg	35	1
1,2,3-Trichloropropane	ND		ug/kg	35	1
2-Hexanone	ND		ug/kg	35	1
Bromochloromethane	ND		ug/kg	18	1
2,2-Dichloropropane	ND		ug/kg	18	1
1,2-Dibromoethane	ND		ug/kg	14	1
1,3-Dichloropropane	ND		ug/kg	18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.5	1
Bromobenzene	ND		ug/kg	18	1
n-Butylbenzene	ND		ug/kg	3.5	1
sec-Butylbenzene	ND		ug/kg	3.5	1
tert-Butylbenzene	ND		ug/kg	18	1
o-Chlorotoluene	ND		ug/kg	18	1
p-Chlorotoluene	ND		ug/kg	18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	18	1
Hexachlorobutadiene	ND		ug/kg	18	1
Isopropylbenzene	ND		ug/kg	3.5	1
p-Isopropyltoluene	ND		ug/kg	3.5	1
Naphthalene	ND		ug/kg	18	1
Acrylonitrile	ND		ug/kg	35	1
n-Propylbenzene	ND		ug/kg	3.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	18	1
1,2,4-Trichlorobenzene	ND		ug/kg	18	1
1,3,5-Trimethylbenzene	ND		ug/kg	18	1
1,2,4-Trimethylbenzene	ND		ug/kg	18	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	14	1
4-Ethyltoluene	ND		ug/kg	14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	14	1
Ethyl ether	ND		ug/kg	18	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	85		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/02/09 08:43
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG364893-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/02/09 08:43
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG364893-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/02/09 08:43
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG364893-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG364893-1 WG364893-2					
Chlorobenzene	89	92	60-133	3	30
Benzene	88	91	66-142	3	30
Toluene	86	89	59-139	3	30
1,1-Dichloroethene	82	87	59-172	6	30
Trichloroethene	84	90	62-137	7	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		105		70-130
Toluene-d8	93		100		70-130
4-Bromofluorobenzene	89		95		70-130
Dibromofluoromethane	92		97		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/08/09 17:11		
Analyst:	HL		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	ND		ug/kg	15	1
Benzo(a)pyrene	ND		ug/kg	15	1
Benzo(b)fluoranthene	ND		ug/kg	15	1
Benzo(k)fluoranthene	ND		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	ND		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	ND		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	ND		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	59	1
Hexachlorobenzene	ND		ug/kg	59	1
Hexachloroethane	ND		ug/kg	59	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	20		19-120
4-Terphenyl-d14	59		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/08/09 18:07		
Analyst:	AK		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	740	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	740	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	740	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	520	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	440	1
2,4-Dichlorophenol	ND		ug/kg	740	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	740	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	520	1
2-Methylphenol	ND		ug/kg	440	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	740	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	28		19-120
4-Terphenyl-d14	74		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/08/09 17:41		
Analyst:	HL		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	ND		ug/kg	15	1
Benzo(a)pyrene	ND		ug/kg	15	1
Benzo(b)fluoranthene	ND		ug/kg	15	1
Benzo(k)fluoranthene	ND		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	ND		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	ND		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	ND		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	59	1
Hexachlorobenzene	ND		ug/kg	59	1
Hexachloroethane	ND		ug/kg	59	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	39		19-120
4-Terphenyl-d14	75		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/08/09 18:31		
Analyst:	AK		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	740	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	740	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	740	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	520	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	440	1
2,4-Dichlorophenol	ND		ug/kg	740	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	740	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	520	1
2-Methylphenol	ND		ug/kg	440	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	740	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	46		19-120
4-Terphenyl-d14	79		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/08/09 18:11		
Analyst:	HL		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	80	5
2-Chloronaphthalene	ND		ug/kg	80	5
Fluoranthene	460		ug/kg	80	5
Hexachlorobutadiene	ND		ug/kg	200	5
Naphthalene	ND		ug/kg	80	5
Benzo(a)anthracene	360		ug/kg	80	5
Benzo(a)pyrene	420		ug/kg	80	5
Benzo(b)fluoranthene	500		ug/kg	80	5
Benzo(k)fluoranthene	210		ug/kg	80	5
Chrysene	370		ug/kg	80	5
Acenaphthylene	ND		ug/kg	80	5
Anthracene	ND		ug/kg	80	5
Benzo(ghi)perylene	360		ug/kg	80	5
Fluorene	ND		ug/kg	80	5
Phenanthrene	140		ug/kg	80	5
Dibenzo(a,h)anthracene	94		ug/kg	80	5
Indeno(1,2,3-cd)Pyrene	240		ug/kg	80	5
Pyrene	480		ug/kg	80	5
2-Methylnaphthalene	ND		ug/kg	80	5
Pentachlorophenol	ND		ug/kg	320	5
Hexachlorobenzene	ND		ug/kg	320	5
Hexachloroethane	ND		ug/kg	320	5

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	31		19-120
4-Terphenyl-d14	70		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/09/09 15:35		
Analyst:	AK		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	400	1
Bis(2-chloroethyl)ether	ND		ug/kg	400	1
1,2-Dichlorobenzene	ND		ug/kg	400	1
1,3-Dichlorobenzene	ND		ug/kg	400	1
1,4-Dichlorobenzene	ND		ug/kg	400	1
3,3'-Dichlorobenzidine	ND		ug/kg	800	1
2,4-Dinitrotoluene	ND		ug/kg	400	1
2,6-Dinitrotoluene	ND		ug/kg	400	1
4-Chlorophenyl phenyl ether	ND		ug/kg	400	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	1
Hexachlorocyclopentadiene	ND		ug/kg	800	1
Isophorone	ND		ug/kg	400	1
Nitrobenzene	ND		ug/kg	400	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	400	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	800	1
Butyl benzyl phthalate	ND		ug/kg	400	1
Di-n-butylphthalate	ND		ug/kg	400	1
Di-n-octylphthalate	ND		ug/kg	400	1
Diethyl phthalate	ND		ug/kg	400	1
Dimethyl phthalate	ND		ug/kg	400	1
Biphenyl	ND		ug/kg	400	1
4-Chloroaniline	ND		ug/kg	400	1
2-Nitroaniline	ND		ug/kg	400	1
3-Nitroaniline	ND		ug/kg	400	1
4-Nitroaniline	ND		ug/kg	560	1
Dibenzofuran	ND		ug/kg	400	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	400	1
P-Chloro-M-Cresol	ND		ug/kg	400	1
2-Chlorophenol	ND		ug/kg	480	1
2,4-Dichlorophenol	ND		ug/kg	800	1
2,4-Dimethylphenol	ND		ug/kg	400	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	800	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	560	1
2-Methylphenol	ND		ug/kg	480	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	480	1
2,4,5-Trichlorophenol	ND		ug/kg	400	1
Benzoic Acid	ND		ug/kg	4000	1
Benzyl Alcohol	ND		ug/kg	800	1
Carbazole	ND		ug/kg	400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	**16**		19-120
4-Terphenyl-d14	73		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/08/09 18:41		
Analyst:	HL		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	88	5
2-Chloronaphthalene	ND		ug/kg	88	5
Fluoranthene	ND		ug/kg	88	5
Hexachlorobutadiene	ND		ug/kg	220	5
Naphthalene	ND		ug/kg	88	5
Benzo(a)anthracene	110		ug/kg	88	5
Benzo(a)pyrene	160		ug/kg	88	5
Benzo(b)fluoranthene	270		ug/kg	88	5
Benzo(k)fluoranthene	120		ug/kg	88	5
Chrysene	ND		ug/kg	88	5
Acenaphthylene	ND		ug/kg	88	5
Anthracene	ND		ug/kg	88	5
Benzo(ghi)perylene	220		ug/kg	88	5
Fluorene	ND		ug/kg	88	5
Phenanthrene	ND		ug/kg	88	5
Dibenzo(a,h)anthracene	ND		ug/kg	88	5
Indeno(1,2,3-cd)Pyrene	130		ug/kg	88	5
Pyrene	ND		ug/kg	88	5
2-Methylnaphthalene	ND		ug/kg	88	5
Pentachlorophenol	ND		ug/kg	350	5
Hexachlorobenzene	ND		ug/kg	350	5
Hexachloroethane	ND		ug/kg	350	5

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	36		23-120
2-Fluorobiphenyl	40		30-120
2,4,6-Tribromophenol	29		19-120
4-Terphenyl-d14	39		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/08/09 19:20		
Analyst:	AK		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	440	1
Bis(2-chloroethyl)ether	ND		ug/kg	440	1
1,2-Dichlorobenzene	ND		ug/kg	440	1
1,3-Dichlorobenzene	ND		ug/kg	440	1
1,4-Dichlorobenzene	ND		ug/kg	440	1
3,3'-Dichlorobenzidine	ND		ug/kg	880	1
2,4-Dinitrotoluene	ND		ug/kg	440	1
2,6-Dinitrotoluene	ND		ug/kg	440	1
4-Chlorophenyl phenyl ether	ND		ug/kg	440	1
4-Bromophenyl phenyl ether	ND		ug/kg	440	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	1
Bis(2-chloroethoxy)methane	ND		ug/kg	440	1
Hexachlorocyclopentadiene	ND		ug/kg	880	1
Isophorone	ND		ug/kg	440	1
Nitrobenzene	ND		ug/kg	440	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	440	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	880	1
Butyl benzyl phthalate	ND		ug/kg	440	1
Di-n-butylphthalate	ND		ug/kg	440	1
Di-n-octylphthalate	ND		ug/kg	440	1
Diethyl phthalate	ND		ug/kg	440	1
Dimethyl phthalate	ND		ug/kg	440	1
Biphenyl	ND		ug/kg	440	1
4-Chloroaniline	ND		ug/kg	440	1
2-Nitroaniline	ND		ug/kg	440	1
3-Nitroaniline	ND		ug/kg	440	1
4-Nitroaniline	ND		ug/kg	610	1
Dibenzofuran	ND		ug/kg	440	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1800	1
2,4,6-Trichlorophenol	ND		ug/kg	440	1
P-Chloro-M-Cresol	ND		ug/kg	440	1
2-Chlorophenol	ND		ug/kg	530	1
2,4-Dichlorophenol	ND		ug/kg	880	1
2,4-Dimethylphenol	ND		ug/kg	440	1
2-Nitrophenol	ND		ug/kg	1800	1
4-Nitrophenol	ND		ug/kg	880	1
2,4-Dinitrophenol	ND		ug/kg	1800	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	1
Phenol	ND		ug/kg	610	1
2-Methylphenol	ND		ug/kg	530	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	1
2,4,5-Trichlorophenol	ND		ug/kg	440	1
Benzoic Acid	ND		ug/kg	4400	1
Benzyl Alcohol	ND		ug/kg	880	1
Carbazole	ND		ug/kg	440	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	26		19-120
4-Terphenyl-d14	43		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/08/09 19:12		
Analyst:	HL		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	94	5
2-Chloronaphthalene	ND		ug/kg	94	5
Fluoranthene	570		ug/kg	94	5
Hexachlorobutadiene	ND		ug/kg	230	5
Naphthalene	ND		ug/kg	94	5
Benzo(a)anthracene	310		ug/kg	94	5
Benzo(a)pyrene	420		ug/kg	94	5
Benzo(b)fluoranthene	620		ug/kg	94	5
Benzo(k)fluoranthene	230		ug/kg	94	5
Chrysene	350		ug/kg	94	5
Acenaphthylene	ND		ug/kg	94	5
Anthracene	ND		ug/kg	94	5
Benzo(ghi)perylene	370		ug/kg	94	5
Fluorene	ND		ug/kg	94	5
Phenanthrene	250		ug/kg	94	5
Dibenzo(a,h)anthracene	97		ug/kg	94	5
Indeno(1,2,3-cd)Pyrene	250		ug/kg	94	5
Pyrene	520		ug/kg	94	5
2-Methylnaphthalene	ND		ug/kg	94	5
Pentachlorophenol	ND		ug/kg	380	5
Hexachlorobenzene	ND		ug/kg	380	5
Hexachloroethane	ND		ug/kg	380	5

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	56		19-120
4-Terphenyl-d14	59		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/08/09 19:44		
Analyst:	AK		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	470	1
Bis(2-chloroethyl)ether	ND		ug/kg	470	1
1,2-Dichlorobenzene	ND		ug/kg	470	1
1,3-Dichlorobenzene	ND		ug/kg	470	1
1,4-Dichlorobenzene	ND		ug/kg	470	1
3,3'-Dichlorobenzidine	ND		ug/kg	940	1
2,4-Dinitrotoluene	ND		ug/kg	470	1
2,6-Dinitrotoluene	ND		ug/kg	470	1
4-Chlorophenyl phenyl ether	ND		ug/kg	470	1
4-Bromophenyl phenyl ether	ND		ug/kg	470	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	470	1
Bis(2-chloroethoxy)methane	ND		ug/kg	470	1
Hexachlorocyclopentadiene	ND		ug/kg	940	1
Isophorone	ND		ug/kg	470	1
Nitrobenzene	ND		ug/kg	470	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	1
n-Nitrosodi-n-propylamine	ND		ug/kg	470	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	940	1
Butyl benzyl phthalate	ND		ug/kg	470	1
Di-n-butylphthalate	ND		ug/kg	470	1
Di-n-octylphthalate	ND		ug/kg	470	1
Diethyl phthalate	ND		ug/kg	470	1
Dimethyl phthalate	ND		ug/kg	470	1
Biphenyl	ND		ug/kg	470	1
4-Chloroaniline	ND		ug/kg	470	1
2-Nitroaniline	ND		ug/kg	470	1
3-Nitroaniline	ND		ug/kg	470	1
4-Nitroaniline	ND		ug/kg	660	1
Dibenzofuran	ND		ug/kg	470	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	1

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1900	1
2,4,6-Trichlorophenol	ND		ug/kg	470	1
P-Chloro-M-Cresol	ND		ug/kg	470	1
2-Chlorophenol	ND		ug/kg	560	1
2,4-Dichlorophenol	ND		ug/kg	940	1
2,4-Dimethylphenol	ND		ug/kg	470	1
2-Nitrophenol	ND		ug/kg	1900	1
4-Nitrophenol	ND		ug/kg	940	1
2,4-Dinitrophenol	ND		ug/kg	1900	1
4,6-Dinitro-o-cresol	ND		ug/kg	1900	1
Phenol	ND		ug/kg	660	1
2-Methylphenol	ND		ug/kg	560	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	1
2,4,5-Trichlorophenol	ND		ug/kg	470	1
Benzoic Acid	ND		ug/kg	4700	1
Benzyl Alcohol	ND		ug/kg	940	1
Carbazole	ND		ug/kg	470	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	60		19-120
4-Terphenyl-d14	55		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 14:29
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:16

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG364838-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 14:29
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:16

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG364838-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Tentatively Identified Compounds

No Tentatively Identified Compounds ND

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 14:29
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:16

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG364838-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	29		10-120
Nitrobenzene-d5	27		23-120
2-Fluorobiphenyl	**29**		30-120
2,4,6-Tribromophenol	29		19-120
4-Terphenyl-d14	41		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 13:38
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:19

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG364842-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 13:38
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:19

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG364842-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	**28**		30-120
2,4,6-Tribromophenol	34		19-120
4-Terphenyl-d14	43		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG364838-2 WG364838-3					
1,2,4-Trichlorobenzene	71	58	38-107	20	50
1,2-Dichlorobenzene	69	57	40-140	19	50
1,4-Dichlorobenzene	67	56	28-104	18	50
2,4-Dinitrotoluene	75	57	28-89	27	50
2,6-Dinitrotoluene	78	61	40-140	24	50
4-Chlorophenyl phenyl ether	83	62	40-140	29	50
n-Nitrosodi-n-propylamine	71	57	41-126	22	50
Butyl benzyl phthalate	86	69	40-140	22	50
P-Chloro-M-Cresol	82	69	26-103	17	50
2-Chlorophenol	71	56	25-102	24	50
2-Nitrophenol	69	54	30-130	24	50
4-Nitrophenol	55	34	11-114	47	50
2,4-Dinitrophenol	58	57	4-130	2	50
Phenol	74	60	26-90	21	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG364838-2 WG364838-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		65		25-120
Phenol-d6	73		62		10-120
Nitrobenzene-d5	70		59		23-120
2-Fluorobiphenyl	71		60		30-120
2,4,6-Tribromophenol	80		66		19-120
4-Terphenyl-d14	80		70		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG364842-2 WG364842-3

Acenaphthene	65	49	31-137	28	50
2-Chloronaphthalene	128	103	40-140	22	50
Fluoranthene	82	59	40-140	33	50
Anthracene	74	57	40-140	26	50
Pyrene	82	59	35-142	33	50
Pentachlorophenol	29	24	17-109	19	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907033

Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG364842-2 WG364842-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		55		25-120
Phenol-d6	65		56		10-120
Nitrobenzene-d5	68		59		23-120
2-Fluorobiphenyl	65		57		30-120
2,4,6-Tribromophenol	80		58		19-120
4-Terphenyl-d14	77		60		18-120

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 10:46	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	90%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	37.0	1
Aroclor 1221	ND		ug/kg	37.0	1
Aroclor 1232	ND		ug/kg	37.0	1
Aroclor 1242	ND		ug/kg	37.0	1
Aroclor 1248	ND		ug/kg	37.0	1
Aroclor 1254	ND		ug/kg	37.0	1
Aroclor 1260	ND		ug/kg	37.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 10:58	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	90%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	37.0	1
Aroclor 1221	ND		ug/kg	37.0	1
Aroclor 1232	ND		ug/kg	37.0	1
Aroclor 1242	ND		ug/kg	37.0	1
Aroclor 1248	ND		ug/kg	37.0	1
Aroclor 1254	ND		ug/kg	37.0	1
Aroclor 1260	ND		ug/kg	37.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 11:10	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	83%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	40.2	1
Aroclor 1221	ND		ug/kg	40.2	1
Aroclor 1232	ND		ug/kg	40.2	1
Aroclor 1242	ND		ug/kg	40.2	1
Aroclor 1248	ND		ug/kg	40.2	1
Aroclor 1254	ND		ug/kg	40.2	1
Aroclor 1260	ND		ug/kg	40.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 11:23	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	76%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	43.8	1
Aroclor 1221	ND		ug/kg	43.8	1
Aroclor 1232	ND		ug/kg	43.8	1
Aroclor 1242	ND		ug/kg	43.8	1
Aroclor 1248	ND		ug/kg	43.8	1
Aroclor 1254	ND		ug/kg	43.8	1
Aroclor 1260	ND		ug/kg	43.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 11:36	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	71%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	46.9	1
Aroclor 1221	ND		ug/kg	46.9	1
Aroclor 1232	ND		ug/kg	46.9	1
Aroclor 1242	ND		ug/kg	46.9	1
Aroclor 1248	ND		ug/kg	46.9	1
Aroclor 1254	ND		ug/kg	46.9	1
Aroclor 1260	ND		ug/kg	46.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	139		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	**228**		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/05/09 18:06
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/02/09 14:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/04/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG364848-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907033

Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG364848-2 WG364848-3					
Aroclor 1016	78	58	40-140	29	30
Aroclor 1260	78	59	40-140	28	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		45		30-150	A
Decachlorobiphenyl	79		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		46		30-150	B
Decachlorobiphenyl	83		66		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/10/09 16:15	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.70	1
Lindane	ND		ug/kg	3.70	1
Alpha-BHC	ND		ug/kg	3.70	1
Beta-BHC	ND		ug/kg	3.70	1
Heptachlor	ND		ug/kg	3.70	1
Aldrin	ND		ug/kg	3.70	1
Heptachlor epoxide	ND		ug/kg	3.70	1
Endrin	ND		ug/kg	3.70	1
Endrin ketone	ND		ug/kg	3.70	1
Dieldrin	ND		ug/kg	3.70	1
4,4'-DDE	ND		ug/kg	3.70	1
4,4'-DDD	ND		ug/kg	3.70	1
4,4'-DDT	ND		ug/kg	3.70	1
Endosulfan I	ND		ug/kg	3.70	1
Endosulfan II	ND		ug/kg	3.70	1
Endosulfan sulfate	ND		ug/kg	3.70	1
Methoxychlor	ND		ug/kg	14.8	1
trans-Chlordane	ND		ug/kg	3.70	1
Chlordane	ND		ug/kg	37.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**27**		30-150	B
Decachlorobiphenyl	31		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-01	Date Collected:	06/01/09 10:30
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 23:28		
Analyst:	SS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.037	1
2,4,5-T	ND		mg/kg	0.037	1
2,4,5-TP (Silvex)	ND		mg/kg	0.037	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	92		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/04/09 22:25	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.70	1
Lindane	ND		ug/kg	3.70	1
Alpha-BHC	ND		ug/kg	3.70	1
Beta-BHC	ND		ug/kg	3.70	1
Heptachlor	ND		ug/kg	3.70	1
Aldrin	ND		ug/kg	3.70	1
Heptachlor epoxide	ND		ug/kg	3.70	1
Endrin	ND		ug/kg	3.70	1
Endrin ketone	ND		ug/kg	3.70	1
Dieldrin	ND		ug/kg	3.70	1
4,4'-DDE	ND		ug/kg	3.70	1
4,4'-DDD	ND		ug/kg	3.70	1
4,4'-DDT	ND		ug/kg	3.70	1
Endosulfan I	ND		ug/kg	3.70	1
Endosulfan II	ND		ug/kg	3.70	1
Endosulfan sulfate	ND		ug/kg	3.70	1
Methoxychlor	ND		ug/kg	14.8	1
trans-Chlordane	ND		ug/kg	3.70	1
Chlordane	ND		ug/kg	37.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-02	Date Collected:	06/01/09 11:05
Client ID:	GB21-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/05/09 23:48		
Analyst:	SS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.037	1
2,4,5-T	ND		mg/kg	0.037	1
2,4,5-TP (Silvex)	ND		mg/kg	0.037	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	90		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/08/09 15:55	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	100	25
Lindane	ND		ug/kg	100	25
Alpha-BHC	ND		ug/kg	100	25
Beta-BHC	ND		ug/kg	100	25
Heptachlor	ND		ug/kg	100	25
Aldrin	ND		ug/kg	100	25
Heptachlor epoxide	ND		ug/kg	100	25
Endrin	ND		ug/kg	100	25
Endrin ketone	ND		ug/kg	100	25
Dieldrin	ND		ug/kg	100	25
4,4'-DDE	ND		ug/kg	100	25
4,4'-DDD	ND		ug/kg	100	25
4,4'-DDT	ND		ug/kg	100	25
Endosulfan I	ND		ug/kg	100	25
Endosulfan II	ND		ug/kg	100	25
Endosulfan sulfate	ND		ug/kg	100	25
Methoxychlor	ND		ug/kg	402	25
trans-Chlordane	ND		ug/kg	100	25
Chlordane	ND		ug/kg	1000	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-03	Date Collected:	06/01/09 11:40
Client ID:	GB12-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/06/09 00:08		
Analyst:	SS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.040	1
2,4,5-T	ND		mg/kg	0.040	1
2,4,5-TP (Silvex)	ND		mg/kg	0.040	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	85		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/05/09 00:50	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.38	1
Lindane	ND		ug/kg	4.38	1
Alpha-BHC	ND		ug/kg	4.38	1
Beta-BHC	ND		ug/kg	4.38	1
Heptachlor	ND		ug/kg	4.38	1
Aldrin	ND		ug/kg	4.38	1
Heptachlor epoxide	ND		ug/kg	4.38	1
Endrin	ND		ug/kg	4.38	1
Endrin ketone	ND		ug/kg	4.38	1
Dieldrin	ND		ug/kg	4.38	1
4,4'-DDE	ND		ug/kg	4.38	1
4,4'-DDD	ND		ug/kg	4.38	1
4,4'-DDT	ND		ug/kg	4.38	1
Endosulfan I	ND		ug/kg	4.38	1
Endosulfan II	ND		ug/kg	4.38	1
Endosulfan sulfate	ND		ug/kg	4.38	1
Methoxychlor	ND		ug/kg	17.5	1
trans-Chlordane	ND		ug/kg	4.38	1
Chlordane	ND		ug/kg	43.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-04	Date Collected:	06/01/09 12:10
Client ID:	GB13-9-10	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/06/09 00:28		
Analyst:	SS		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.044	1
2,4,5-T	ND		mg/kg	0.044	1
2,4,5-TP (Silvex)	ND		mg/kg	0.044	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	78		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/04/09 22:38	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.69	1
Lindane	ND		ug/kg	4.69	1
Alpha-BHC	ND		ug/kg	4.69	1
Beta-BHC	ND		ug/kg	4.69	1
Heptachlor	ND		ug/kg	4.69	1
Aldrin	ND		ug/kg	4.69	1
Heptachlor epoxide	ND		ug/kg	4.69	1
Endrin	ND		ug/kg	4.69	1
Endrin ketone	ND		ug/kg	4.69	1
Dieldrin	ND		ug/kg	4.69	1
4,4'-DDE	ND		ug/kg	4.69	1
4,4'-DDD	ND		ug/kg	4.69	1
4,4'-DDT	ND		ug/kg	4.69	1
Endosulfan I	ND		ug/kg	4.69	1
Endosulfan II	ND		ug/kg	4.69	1
Endosulfan sulfate	ND		ug/kg	4.69	1
Methoxychlor	ND		ug/kg	18.8	1
trans-Chlordane	ND		ug/kg	4.69	1
Chlordane	ND		ug/kg	46.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907033-05	Date Collected:	06/01/09 13:40
Client ID:	GB14-5-6	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/02/09 09:50
Analytical Date:	06/06/09 00:48		
Analyst:	SS		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.047	1
2,4,5-T	ND		mg/kg	0.047	1
2,4,5-TP (Silvex)	ND		mg/kg	0.047	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	111		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 06/05/09 18:48
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 06/02/09 09:50

Parameter	Result	Qualifier	Units	RDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-05 Batch: WG364774-1				
2,4-D	ND		mg/kg	0.033
2,4,5-T	ND		mg/kg	0.033
2,4,5-TP (Silvex)	ND		mg/kg	0.033

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	62		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/04/09 21:05
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/02/09 22:16
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/04/09

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG364931-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	44		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG364774-2 WG364774-3					
2,4-D	55	60	30-150	9	30
2,4,5-T	57	62	30-150	8	30
2,4,5-TP (Silvex)	57	61	30-150	7	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	58		65		30-150	A
DCAA	57		61		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG364931-2 WG364931-3					
Delta-BHC	59	64	30-150	8	30
Lindane	58	60	30-150	3	30
Alpha-BHC	57	58	30-150	2	30
Beta-BHC	53	61	30-150	14	30
Heptachlor	57	58	30-150	2	30
Aldrin	58	59	30-150	2	30
Heptachlor epoxide	64	66	30-150	3	30
Endrin	61	64	30-150	5	30
Endrin ketone	59	60	30-150	2	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG364931-2 WG364931-3					
Dieldrin	62	65	30-150	5	30
4,4'-DDE	65	67	30-150	3	30
4,4'-DDD	66	70	30-150	6	30
4,4'-DDT	61	64	30-150	5	30
Endosulfan I	63	64	30-150	2	30
Endosulfan II	63	63	30-150	0	30
Endosulfan sulfate	56	55	30-150	2	30
Methoxychlor	60	63	30-150	5	30
trans-Chlordane	58	60	30-150	3	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		56		30-150	A
Decachlorobiphenyl	63		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		54		30-150	B
Decachlorobiphenyl	46		55		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-01 Date Collected: 06/01/09 10:30

Client ID: GB11-7-8 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	12000		mg/kg	4.5	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Arsenic, Total	2.3		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Barium, Total	66		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Beryllium, Total	0.56		mg/kg	0.22	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Calcium, Total	830		mg/kg	4.5	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Chromium, Total	25		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Cobalt, Total	8.0		mg/kg	0.89	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Copper, Total	20		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Iron, Total	25000		mg/kg	11	5	06/02/09 14:30	06/04/09 19:18	EPA 3050B	1,6010B	AI
Lead, Total	5.8		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Magnesium, Total	2800		mg/kg	4.5	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Manganese, Total	450		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:39	EPA 7471A	1,7471A	EZ
Nickel, Total	16		mg/kg	1.1	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Potassium, Total	2000		mg/kg	110	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.89	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Sodium, Total	910		mg/kg	89	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.89	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Vanadium, Total	31		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI
Zinc, Total	43		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:06	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-02 Date Collected: 06/01/09 11:05

Client ID: GB21-5-6 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	10000		mg/kg	4.4	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Arsenic, Total	1.3		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Barium, Total	67		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Beryllium, Total	0.54		mg/kg	0.22	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Calcium, Total	920		mg/kg	4.4	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Chromium, Total	23		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Cobalt, Total	7.7		mg/kg	0.89	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Copper, Total	20		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Iron, Total	23000		mg/kg	11	5	06/02/09 14:30	06/04/09 19:21	EPA 3050B	1,6010B	AI
Lead, Total	4.8		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Magnesium, Total	2800		mg/kg	4.4	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Manganese, Total	370		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:41	EPA 7471A	1,7471A	EZ
Nickel, Total	16		mg/kg	1.1	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Potassium, Total	1700		mg/kg	110	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.89	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Sodium, Total	860		mg/kg	89	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.89	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Vanadium, Total	29		mg/kg	0.44	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI
Zinc, Total	43		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:09	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-03 Date Collected: 06/01/09 11:40

Client ID: GB12-3-4 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	4400		mg/kg	4.8	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Antimony, Total	3.6		mg/kg	2.4	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Arsenic, Total	21		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Barium, Total	320		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Beryllium, Total	0.62		mg/kg	0.24	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Cadmium, Total	1.1		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Calcium, Total	7200		mg/kg	4.8	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Chromium, Total	12		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Cobalt, Total	7.2		mg/kg	0.96	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Copper, Total	390		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Iron, Total	22000		mg/kg	12	5	06/02/09 14:30	06/04/09 19:24	EPA 3050B	1,6010B	AI
Lead, Total	820		mg/kg	2.4	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Magnesium, Total	1600		mg/kg	4.8	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Manganese, Total	150		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Mercury, Total	2.5		mg/kg	0.48	5	06/03/09 19:30	06/04/09 14:26	EPA 7471A	1,7471A	EZ
Nickel, Total	18		mg/kg	1.2	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Potassium, Total	670		mg/kg	120	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Selenium, Total	2.5		mg/kg	0.96	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Silver, Total	1.2		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Sodium, Total	1700		mg/kg	96	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.96	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Vanadium, Total	19		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI
Zinc, Total	470		mg/kg	2.4	1	06/02/09 14:30	06/03/09 23:13	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-04 Date Collected: 06/01/09 12:10

Client ID: GB13-9-10 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	5500		mg/kg	5.3	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Antimony, Total	14		mg/kg	2.6	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Arsenic, Total	21		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Barium, Total	670		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Beryllium, Total	0.97		mg/kg	0.26	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Cadmium, Total	3.4		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Calcium, Total	13000		mg/kg	5.3	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Chromium, Total	29		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Cobalt, Total	11		mg/kg	1.0	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Copper, Total	740		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Iron, Total	92000		mg/kg	26	10	06/02/09 14:30	06/04/09 19:28	EPA 3050B	1,6010B	AI
Lead, Total	1600		mg/kg	2.6	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Magnesium, Total	2900		mg/kg	5.3	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Manganese, Total	360		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Mercury, Total	3.4		mg/kg	0.49	5	06/03/09 19:30	06/04/09 14:28	EPA 7471A	1,7471A	EZ
Nickel, Total	52		mg/kg	1.3	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Potassium, Total	850		mg/kg	130	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Selenium, Total	5.0		mg/kg	1.0	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Silver, Total	2.8		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Sodium, Total	1900		mg/kg	100	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	1.0	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Vanadium, Total	63		mg/kg	0.53	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI
Zinc, Total	1200		mg/kg	2.6	1	06/02/09 14:30	06/03/09 23:16	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-05 Date Collected: 06/01/09 13:40

Client ID: GB14-5-6 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 71%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	5500		mg/kg	5.7	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Antimony, Total	7.7		mg/kg	2.8	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Arsenic, Total	18		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Barium, Total	590		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Beryllium, Total	0.91		mg/kg	0.28	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Cadmium, Total	1.4		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Calcium, Total	6700		mg/kg	5.7	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Chromium, Total	28		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Cobalt, Total	10		mg/kg	1.1	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Copper, Total	650		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Iron, Total	33000		mg/kg	14	5	06/02/09 14:30	06/04/09 19:31	EPA 3050B	1,6010B	AI
Lead, Total	1300		mg/kg	2.8	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Magnesium, Total	1200		mg/kg	5.7	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Manganese, Total	200		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Mercury, Total	2.4		mg/kg	0.52	5	06/03/09 19:30	06/04/09 14:29	EPA 7471A	1,7471A	EZ
Nickel, Total	34		mg/kg	1.4	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Potassium, Total	1200		mg/kg	140	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Selenium, Total	4.0		mg/kg	1.1	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Silver, Total	2.1		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Sodium, Total	1800		mg/kg	110	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	1.1	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Vanadium, Total	28		mg/kg	0.57	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI
Zinc, Total	780		mg/kg	2.8	1	06/02/09 14:30	06/03/09 23:19	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG364876-1									
Aluminum, Total	ND		mg/kg	4.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Antimony, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Arsenic, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Barium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Beryllium, Total	ND		mg/kg	0.20	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Calcium, Total	ND		mg/kg	4.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Chromium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Cobalt, Total	ND		mg/kg	0.80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Copper, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Iron, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Lead, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Magnesium, Total	ND		mg/kg	4.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Manganese, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Nickel, Total	ND		mg/kg	1.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Potassium, Total	ND		mg/kg	100	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Silver, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Sodium, Total	ND		mg/kg	80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Thallium, Total	ND		mg/kg	0.80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Vanadium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Zinc, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG365119-1									
Mercury, Total	ND		mg/kg	0.08	1	06/03/09 19:30	06/04/09 13:01	1,7471A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0907033

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG364876-2					
Aluminum, Total	100	-	75-125	-	
Antimony, Total	102	-	75-125	-	
Arsenic, Total	104	-	75-125	-	
Barium, Total	102	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	110	-	75-125	-	
Calcium, Total	97	-	75-125	-	
Chromium, Total	105	-	75-125	-	
Cobalt, Total	108	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	105	-	75-125	-	
Lead, Total	100	-	75-125	-	
Magnesium, Total	95	-	75-125	-	
Manganese, Total	102	-	75-125	-	
Nickel, Total	102	-	75-125	-	
Potassium, Total	97	-	75-125	-	
Selenium, Total	100	-	75-125	-	
Silver, Total	111	-	75-125	-	
Sodium, Total	95	-	75-125	-	
Thallium, Total	96	-	75-125	-	
Vanadium, Total	108	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG364876-2					
Zinc, Total	102	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG365119-2					
Mercury, Total	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG364876-4 QC Sample: L0907032-01 Client ID: MS Sample									
Aluminum, Total	5400	83.3	5800	**480**	-	-	75-125	-	35
Antimony, Total	ND	20.8	8.4	**40**	-	-	75-125	-	35
Arsenic, Total	1.8	5	6.8	100	-	-	75-125	-	35
Barium, Total	53	83.3	140	104	-	-	75-125	-	35
Beryllium, Total	0.34	2.08	2.4	99	-	-	75-125	-	35
Cadmium, Total	ND	2.12	2.2	104	-	-	75-125	-	35
Calcium, Total	4700	416	8400	**888**	-	-	75-125	-	35
Chromium, Total	11	8.33	20	108	-	-	75-125	-	35
Cobalt, Total	6.7	20.8	26	93	-	-	75-125	-	35
Copper, Total	18	10.4	30	115	-	-	75-125	-	35
Iron, Total	9200	41.6	9800	**1440**	-	-	75-125	-	35
Lead, Total	27	21.2	54	**127**	-	-	75-125	-	35
Magnesium, Total	2000	416	3900	**456**	-	-	75-125	-	35
Manganese, Total	300	20.8	310	**48**	-	-	75-125	-	35
Nickel, Total	9.5	20.8	29	94	-	-	75-125	-	35
Potassium, Total	1200	416	1600	96	-	-	75-125	-	35
Selenium, Total	ND	5	5.1	102	-	-	75-125	-	35
Silver, Total	ND	12.5	13	104	-	-	75-125	-	35
Sodium, Total	300	416	680	91	-	-	75-125	-	35
Thallium, Total	ND	5	4.3	86	-	-	75-125	-	35
Vanadium, Total	15	20.8	35	96	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG364876-4 QC Sample: L0907032-01 Client ID: MS Sample									
Zinc, Total	42	20.8	67	120	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG365119-4 QC Sample: L0906972-01 Client ID: MS Sample									
Mercury, Total	ND	0.175	0.22	126	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG364876-3 QC Sample: L0907032-01 Client ID: DUP Sample					
Aluminum, Total	5400	5500	mg/kg	2	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	1.8	1.6	mg/kg	12	35
Barium, Total	53	51	mg/kg	4	35
Beryllium, Total	0.34	0.33	mg/kg	3	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	4700	5900	mg/kg	23	35
Chromium, Total	11	11	mg/kg	0	35
Cobalt, Total	6.7	5.9	mg/kg	13	35
Copper, Total	18	17	mg/kg	6	35
Iron, Total	9200	8900	mg/kg	3	35
Lead, Total	27	26	mg/kg	4	35
Magnesium, Total	2000	2500	mg/kg	22	35
Manganese, Total	300	290	mg/kg	3	35
Nickel, Total	9.5	10	mg/kg	5	35
Potassium, Total	1200	1200	mg/kg	0	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	300	320	mg/kg	6	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG364876-3 QC Sample: L0907032-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	15	14	mg/kg	7	35
Zinc, Total	42	42	mg/kg	0	35
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG365119-3 QC Sample: L0906972-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-01
Client ID: GB11-7-8
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 10:30
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	90		%	0.10	1	-	06/04/09 11:02	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-02
Client ID: GB21-5-6
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 11:05
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	90		%	0.10	1	-	06/04/09 11:02	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-03
Client ID: GB12-3-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 11:40
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	83		%	0.10	1	-	06/04/09 11:02	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-04
Client ID: GB13-9-10
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 12:10
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	76		%	0.10	1	-	06/04/09 11:02	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907033-05
Client ID: GB14-5-6
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 13:40
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	71		%	0.10	1	-	06/04/09 11:02	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG365185-1 QC Sample: L0907032-01 Client ID: DUP Sample					
Solids, Total	94	93	%	1	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907033-01A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907033-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907033-01C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907033-02A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907033-02B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907033-02C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907033-03A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907033-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907033-03C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907033-04A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907033-04B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907033
Report Date: 06/10/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907033-04C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907033-05A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907033-05B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907033-05C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907033
Project Number:	5817802	**Report Date:**	06/10/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907033
Project Number: 5817802 **Report Date:** 06/10/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 9, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671.
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06100919:50

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab: 6/1/09

ALPHA Job #: L0907033

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street 8th FLR, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jchayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/8/09 Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals						Sample Specific Comments	TOTAL # BOTTLES
07033-1	GB 11-7-8	6/1/09	1030	S	JFG	X	X	X	X	X	X						3 jars	
2	GB 21-5-6	6/1/09	1105	S	JFG	X	X	X	X	X	X						3 jars	
3	GB 12-3-4	6/1/09	1140	S	JFG	X	X	X	X	X	X						3 jars	
4	GB 13-9-10	6/1/09	1210	S	JFG	X	X	X	X	X	X						3 jars	
5	GB 14-5-6	6/1/09	140PM	S	JFG	X	X	X	X	X	X						3 jars	

SAMPLE HANDLING

Filtration ____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Container Type													
Preservative													

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph J. Good	6/1/09 1540	[illegible]	6/1/09 15:40
[illegible]	6/1/09 18:00	Ron Brady	6-1-09 18:00
Ron Brady	6-1-09 21:00	Ron Brady	6/1/09 21:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0907118
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/10/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907118-01	GB 16-8-9	RIKERS ISLAND, NY	06/02/09 08:55
L0907118-02	GB 15-4-5	RIKERS ISLAND, NY	06/02/09 08:00
L0907118-03	GB 17-8-9	RIKERS ISLAND, NY	06/02/09 09:30
L0907118-04	GB 18-7-8	RIKERS ISLAND, NY	06/02/09 10:15
L0907118-05	GB 19-2-3	RIKERS ISLAND, NY	06/02/09 10:40
L0907118-06	B3-2-3	RIKERS ISLAND, NY	06/02/09 09:45

Project Name: RIKERS ISLAND **Lab Number:** L0907118
Project Number: 5817802 **Report Date:** 06/10/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics by SIM
L0907118-01, -02, -04, and -05 have elevated detection limits due to the dilutions required by the sample matrices.
L0907118-03 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.
The surrogate recovery for L0907118-04 and -06 is below the individual acceptance criteria for 2-Fluorophenol (21% and 22%, respectively), but within the overall method allowances. The results of the original analyses are reported.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907118
Project Number:	5817802	**Report Date:**	06/10/09

Case Narrative (continued)

Semivolatile Organics

L0907118-03 has elevated detection limits due to the dilution required by the sample matrix.

The surrogate recovery for L0907118-04 is below the individual acceptance criteria for 2,4,6-Tribromophenol (13%), but within the overall method allowances. The results of the original analysis are reported.

The WG365236-2/-3 LCS/LCSD recoveries associated with L0907118-01 through -06 were above the acceptance criteria for 2,4-Dinitrotoluene (93%/99%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

PCB

The surrogate recoveries for L0907118-02 were below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (8%/8%) and Decachlorobiphenyl (18%/28%); however, re-analysis achieved similar results. The results of the original analysis are reported.

The surrogate recoveries for L0907118-05 are above the acceptance criteria for Decachlorobiphenyl (421%/388%); however, the sample was not re-extracted due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report.

Pesticides

L0907118-02, -03, and -04 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

The surrogate recoveries for L0907118-02, -03, and -04 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.

The surrogate recovery for L0907118-05 is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (26%), but within the overall method allowances. The results of the original analysis are reported.

The surrogate recoveries for L0907118-06 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (25%) and Decachlorobiphenyl (24%); however, re-analysis achieved similar results. The results of the original analysis are reported.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907118
Project Number:	5817802	**Report Date:**	06/10/09

Case Narrative (continued)

Herbicides

L0907118-01 through -06: The Continuing Calibration criteria was not met for the confirmatory column; however, the samples were non-detect for the target analytes. Therefore, no further actions were taken.

Metals

L0907118-01, -04, and -05 have elevated detection limits for all elements, except Mercury, due to the dilutions required by the sample matrices.

L0907118-02 has an elevated detection limit for Zinc due to the dilution required to quantitate the result within the calibration range.

L0907118-03 has elevated detection limits for all elements, except Iron, Mercury, and Thallium, due to the dilution required by non-target analyte spectral interferences encountered during analysis.

L0907118-03 has elevated detection limits for Iron and Thallium due to the dilution required by matrix interferences encountered during analysis.

L0907118-04 and -05 have elevated detection limits for Mercury due to the analytical dilutions required to quantitate the results within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 06/10/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/03/09 17:05		
Analyst:	PD		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	32	1
1,1-Dichloroethane	ND		ug/kg	4.7	1
Chloroform	ND		ug/kg	4.7	1
Carbon tetrachloride	ND		ug/kg	3.2	1
1,2-Dichloropropane	ND		ug/kg	11	1
Dibromochloromethane	ND		ug/kg	3.2	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1
Tetrachloroethene	ND		ug/kg	3.2	1
Chlorobenzene	ND		ug/kg	3.2	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.2	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	1
Bromodichloromethane	ND		ug/kg	3.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	1
Benzene	ND		ug/kg	3.2	1
Toluene	ND		ug/kg	4.7	1
Ethylbenzene	ND		ug/kg	3.2	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.3	1
Vinyl chloride	ND		ug/kg	6.3	1
Chloroethane	ND		ug/kg	6.3	1
1,1-Dichloroethene	ND		ug/kg	3.2	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1
Trichloroethene	ND		ug/kg	3.2	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.3	1
p/m-Xylene	ND		ug/kg	6.3	1
o-Xylene	ND		ug/kg	6.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	1
Dibromomethane	ND		ug/kg	32	1
Styrene	6.9		ug/kg	6.3	1
Dichlorodifluoromethane	ND		ug/kg	32	1
Acetone	ND		ug/kg	32	1
Carbon disulfide	ND		ug/kg	32	1
2-Butanone	ND		ug/kg	32	1
Vinyl acetate	ND		ug/kg	32	1
4-Methyl-2-pentanone	ND		ug/kg	32	1
1,2,3-Trichloropropane	ND		ug/kg	32	1
2-Hexanone	ND		ug/kg	32	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.2	1
sec-Butylbenzene	ND		ug/kg	3.2	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.2	1
p-Isopropyltoluene	ND		ug/kg	3.2	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	32	1
n-Propylbenzene	ND		ug/kg	3.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	85		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/03/09 17:42		
Analyst:	PD		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	33	1
1,1-Dichloroethane	ND		ug/kg	4.9	1
Chloroform	ND		ug/kg	4.9	1
Carbon tetrachloride	ND		ug/kg	3.3	1
1,2-Dichloropropane	ND		ug/kg	12	1
Dibromochloromethane	ND		ug/kg	3.3	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1
Tetrachloroethene	ND		ug/kg	3.3	1
Chlorobenzene	ND		ug/kg	3.3	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.3	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	1
Bromodichloromethane	ND		ug/kg	3.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	1
Benzene	ND		ug/kg	3.3	1
Toluene	ND		ug/kg	4.9	1
Ethylbenzene	ND		ug/kg	3.3	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.6	1
Vinyl chloride	ND		ug/kg	6.6	1
Chloroethane	ND		ug/kg	6.6	1
1,1-Dichloroethene	ND		ug/kg	3.3	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1
Trichloroethene	ND		ug/kg	3.3	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.6	1
p/m-Xylene	ND		ug/kg	6.6	1
o-Xylene	ND		ug/kg	6.6	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	1
Dibromomethane	ND		ug/kg	33	1
Styrene	ND		ug/kg	6.6	1
Dichlorodifluoromethane	ND		ug/kg	33	1
Acetone	240		ug/kg	33	1
Carbon disulfide	ND		ug/kg	33	1
2-Butanone	53		ug/kg	33	1
Vinyl acetate	ND		ug/kg	33	1
4-Methyl-2-pentanone	ND		ug/kg	33	1
1,2,3-Trichloropropane	ND		ug/kg	33	1
2-Hexanone	ND		ug/kg	33	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.3	1
sec-Butylbenzene	ND		ug/kg	3.3	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.3	1
p-Isopropyltoluene	ND		ug/kg	3.3	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	33	1
n-Propylbenzene	ND		ug/kg	3.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	83		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/03/09 18:18		
Analyst:	PD		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	41	1
1,1-Dichloroethane	ND		ug/kg	6.1	1
Chloroform	ND		ug/kg	6.1	1
Carbon tetrachloride	ND		ug/kg	4.1	1
1,2-Dichloropropane	ND		ug/kg	14	1
Dibromochloromethane	ND		ug/kg	4.1	1
1,1,2-Trichloroethane	ND		ug/kg	6.1	1
Tetrachloroethene	ND		ug/kg	4.1	1
Chlorobenzene	ND		ug/kg	4.1	1
Trichlorofluoromethane	ND		ug/kg	20	1
1,2-Dichloroethane	ND		ug/kg	4.1	1
1,1,1-Trichloroethane	ND		ug/kg	4.1	1
Bromodichloromethane	ND		ug/kg	4.1	1
trans-1,3-Dichloropropene	ND		ug/kg	4.1	1
cis-1,3-Dichloropropene	ND		ug/kg	4.1	1
1,1-Dichloropropene	ND		ug/kg	20	1
Bromoform	ND		ug/kg	16	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	4.1	1
Benzene	ND		ug/kg	4.1	1
Toluene	ND		ug/kg	6.1	1
Ethylbenzene	ND		ug/kg	4.1	1
Chloromethane	ND		ug/kg	20	1
Bromomethane	ND		ug/kg	8.2	1
Vinyl chloride	ND		ug/kg	8.2	1
Chloroethane	ND		ug/kg	8.2	1
1,1-Dichloroethene	ND		ug/kg	4.1	1
trans-1,2-Dichloroethene	ND		ug/kg	6.1	1
Trichloroethene	ND		ug/kg	4.1	1
1,2-Dichlorobenzene	ND		ug/kg	20	1
1,3-Dichlorobenzene	ND		ug/kg	20	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-03 Date Collected: 06/02/09 09:30

Client ID: GB 17-8-9 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	20	1
Methyl tert butyl ether	ND		ug/kg	8.2	1
p/m-Xylene	ND		ug/kg	8.2	1
o-Xylene	ND		ug/kg	8.2	1
cis-1,2-Dichloroethene	ND		ug/kg	4.1	1
Dibromomethane	ND		ug/kg	41	1
Styrene	ND		ug/kg	8.2	1
Dichlorodifluoromethane	ND		ug/kg	41	1
Acetone	180		ug/kg	41	1
Carbon disulfide	ND		ug/kg	41	1
2-Butanone	ND		ug/kg	41	1
Vinyl acetate	ND		ug/kg	41	1
4-Methyl-2-pentanone	ND		ug/kg	41	1
1,2,3-Trichloropropane	ND		ug/kg	41	1
2-Hexanone	ND		ug/kg	41	1
Bromochloromethane	ND		ug/kg	20	1
2,2-Dichloropropane	ND		ug/kg	20	1
1,2-Dibromoethane	ND		ug/kg	16	1
1,3-Dichloropropane	ND		ug/kg	20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	4.1	1
Bromobenzene	ND		ug/kg	20	1
n-Butylbenzene	ND		ug/kg	4.1	1
sec-Butylbenzene	ND		ug/kg	4.1	1
tert-Butylbenzene	ND		ug/kg	20	1
o-Chlorotoluene	ND		ug/kg	20	1
p-Chlorotoluene	ND		ug/kg	20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	20	1
Hexachlorobutadiene	ND		ug/kg	20	1
Isopropylbenzene	ND		ug/kg	4.1	1
p-Isopropyltoluene	ND		ug/kg	4.1	1
Naphthalene	ND		ug/kg	20	1
Acrylonitrile	ND		ug/kg	41	1
n-Propylbenzene	ND		ug/kg	4.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	20	1
1,2,4-Trichlorobenzene	ND		ug/kg	20	1
1,3,5-Trimethylbenzene	ND		ug/kg	20	1
1,2,4-Trimethylbenzene	ND		ug/kg	20	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	16	1
4-Ethyltoluene	ND		ug/kg	16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	16	1
Ethyl ether	ND		ug/kg	20	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	87		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/03/09 18:54		
Analyst:	PD		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	32	1
1,1-Dichloroethane	ND		ug/kg	4.8	1
Chloroform	ND		ug/kg	4.8	1
Carbon tetrachloride	ND		ug/kg	3.2	1
1,2-Dichloropropane	ND		ug/kg	11	1
Dibromochloromethane	ND		ug/kg	3.2	1
1,1,2-Trichloroethane	ND		ug/kg	4.8	1
Tetrachloroethene	ND		ug/kg	3.2	1
Chlorobenzene	ND		ug/kg	3.2	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.2	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	1
Bromodichloromethane	ND		ug/kg	3.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	1
Benzene	ND		ug/kg	3.2	1
Toluene	ND		ug/kg	4.8	1
Ethylbenzene	ND		ug/kg	3.2	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.4	1
Vinyl chloride	ND		ug/kg	6.4	1
Chloroethane	ND		ug/kg	6.4	1
1,1-Dichloroethene	ND		ug/kg	3.2	1
trans-1,2-Dichloroethene	ND		ug/kg	4.8	1
Trichloroethene	ND		ug/kg	3.2	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.4	1
p/m-Xylene	ND		ug/kg	6.4	1
o-Xylene	ND		ug/kg	6.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	1
Dibromomethane	ND		ug/kg	32	1
Styrene	ND		ug/kg	6.4	1
Dichlorodifluoromethane	ND		ug/kg	32	1
Acetone	150		ug/kg	32	1
Carbon disulfide	ND		ug/kg	32	1
2-Butanone	ND		ug/kg	32	1
Vinyl acetate	ND		ug/kg	32	1
4-Methyl-2-pentanone	ND		ug/kg	32	1
1,2,3-Trichloropropane	ND		ug/kg	32	1
2-Hexanone	ND		ug/kg	32	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.2	1
sec-Butylbenzene	ND		ug/kg	3.2	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.2	1
p-Isopropyltoluene	ND		ug/kg	3.2	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	32	1
n-Propylbenzene	ND		ug/kg	3.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	84		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 09:51		
Analyst:	PD		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	31	1
1,1-Dichloroethane	ND		ug/kg	4.7	1
Chloroform	ND		ug/kg	4.7	1
Carbon tetrachloride	ND		ug/kg	3.1	1
1,2-Dichloropropane	ND		ug/kg	11	1
Dibromochloromethane	ND		ug/kg	3.1	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1
Tetrachloroethene	ND		ug/kg	3.1	1
Chlorobenzene	ND		ug/kg	3.1	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.1	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	1
Bromodichloromethane	ND		ug/kg	3.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	1
Benzene	ND		ug/kg	3.1	1
Toluene	ND		ug/kg	4.7	1
Ethylbenzene	ND		ug/kg	3.1	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.2	1
Vinyl chloride	ND		ug/kg	6.2	1
Chloroethane	ND		ug/kg	6.2	1
1,1-Dichloroethene	ND		ug/kg	3.1	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1
Trichloroethene	ND		ug/kg	3.1	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.2	1
p/m-Xylene	ND		ug/kg	6.2	1
o-Xylene	ND		ug/kg	6.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	1
Dibromomethane	ND		ug/kg	31	1
Styrene	ND		ug/kg	6.2	1
Dichlorodifluoromethane	ND		ug/kg	31	1
Acetone	ND		ug/kg	31	1
Carbon disulfide	ND		ug/kg	31	1
2-Butanone	ND		ug/kg	31	1
Vinyl acetate	ND		ug/kg	31	1
4-Methyl-2-pentanone	ND		ug/kg	31	1
1,2,3-Trichloropropane	ND		ug/kg	31	1
2-Hexanone	ND		ug/kg	31	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.1	1
sec-Butylbenzene	ND		ug/kg	3.1	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.1	1
p-Isopropyltoluene	ND		ug/kg	3.1	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	31	1
n-Propylbenzene	ND		ug/kg	3.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	78		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 10:27		
Analyst:	PD		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	28	1
1,1-Dichloroethane	ND		ug/kg	4.2	1
Chloroform	ND		ug/kg	4.2	1
Carbon tetrachloride	ND		ug/kg	2.8	1
1,2-Dichloropropane	ND		ug/kg	9.7	1
Dibromochloromethane	ND		ug/kg	2.8	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1
Tetrachloroethene	ND		ug/kg	2.8	1
Chlorobenzene	ND		ug/kg	2.8	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.8	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	1
Bromodichloromethane	ND		ug/kg	2.8	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	1
Benzene	ND		ug/kg	2.8	1
Toluene	ND		ug/kg	4.2	1
Ethylbenzene	ND		ug/kg	2.8	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.6	1
Vinyl chloride	ND		ug/kg	5.6	1
Chloroethane	ND		ug/kg	5.6	1
1,1-Dichloroethene	ND		ug/kg	2.8	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1
Trichloroethene	ND		ug/kg	2.8	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.6	1
p/m-Xylene	ND		ug/kg	5.6	1
o-Xylene	ND		ug/kg	5.6	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	1
Dibromomethane	ND		ug/kg	28	1
Styrene	ND		ug/kg	5.6	1
Dichlorodifluoromethane	ND		ug/kg	28	1
Acetone	ND		ug/kg	28	1
Carbon disulfide	ND		ug/kg	28	1
2-Butanone	ND		ug/kg	28	1
Vinyl acetate	ND		ug/kg	28	1
4-Methyl-2-pentanone	ND		ug/kg	28	1
1,2,3-Trichloropropane	ND		ug/kg	28	1
2-Hexanone	ND		ug/kg	28	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.8	1
sec-Butylbenzene	ND		ug/kg	2.8	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.8	1
p-Isopropyltoluene	ND		ug/kg	2.8	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	28	1
n-Propylbenzene	ND		ug/kg	2.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	79		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/03/09 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG365220-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/03/09 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG365220-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/03/09 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG365220-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	88		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG365487-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG365487-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG365487-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	81		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG365220-1 WG365220-2					
Chlorobenzene	90	87	60-133	3	30
Benzene	86	82	66-142	5	30
Toluene	85	83	59-139	2	30
1,1-Dichloroethene	82	77	59-172	6	30
Trichloroethene	86	83	62-137	4	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		101		70-130
Toluene-d8	92		97		70-130
4-Bromofluorobenzene	89		94		70-130
Dibromofluoromethane	91		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907118

Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG365487-1 WG365487-2					
Chlorobenzene	87	89	60-133	2	30
Benzene	86	86	66-142	0	30
Toluene	84	84	59-139	0	30
1,1-Dichloroethene	84	83	59-172	1	30
Trichloroethene	84	84	62-137	0	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	93		91		70-130
4-Bromofluorobenzene	88		84		70-130
Dibromofluoromethane	91		90		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/09/09 03:53		
Analyst:	AK		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	420	1
Bis(2-chloroethyl)ether	ND		ug/kg	420	1
1,2-Dichlorobenzene	ND		ug/kg	420	1
1,3-Dichlorobenzene	ND		ug/kg	420	1
1,4-Dichlorobenzene	ND		ug/kg	420	1
3,3'-Dichlorobenzidine	ND		ug/kg	840	1
2,4-Dinitrotoluene	ND		ug/kg	420	1
2,6-Dinitrotoluene	ND		ug/kg	420	1
4-Chlorophenyl phenyl ether	ND		ug/kg	420	1
4-Bromophenyl phenyl ether	ND		ug/kg	420	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	1
Bis(2-chloroethoxy)methane	ND		ug/kg	420	1
Hexachlorocyclopentadiene	ND		ug/kg	840	1
Isophorone	ND		ug/kg	420	1
Nitrobenzene	ND		ug/kg	420	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	420	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	840	1
Butyl benzyl phthalate	ND		ug/kg	420	1
Di-n-butylphthalate	ND		ug/kg	420	1
Di-n-octylphthalate	ND		ug/kg	420	1
Diethyl phthalate	ND		ug/kg	420	1
Dimethyl phthalate	ND		ug/kg	420	1
Biphenyl	ND		ug/kg	420	1
4-Chloroaniline	ND		ug/kg	420	1
2-Nitroaniline	ND		ug/kg	420	1
3-Nitroaniline	ND		ug/kg	420	1
4-Nitroaniline	ND		ug/kg	590	1
Dibenzofuran	ND		ug/kg	420	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	420	1
P-Chloro-M-Cresol	ND		ug/kg	420	1
2-Chlorophenol	ND		ug/kg	510	1
2,4-Dichlorophenol	ND		ug/kg	840	1
2,4-Dimethylphenol	ND		ug/kg	420	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	840	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	590	1
2-Methylphenol	ND		ug/kg	510	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	1
2,4,5-Trichlorophenol	ND		ug/kg	420	1
Benzoic Acid	ND		ug/kg	4200	1
Benzyl Alcohol	ND		ug/kg	840	1
Carbazole	ND		ug/kg	420	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	56		19-120
4-Terphenyl-d14	60		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 10:46		
Analyst:	HL		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	170	10
2-Chloronaphthalene	ND		ug/kg	170	10
Fluoranthene	200		ug/kg	170	10
Hexachlorobutadiene	ND		ug/kg	420	10
Naphthalene	ND		ug/kg	170	10
Benzo(a)anthracene	360		ug/kg	170	10
Benzo(a)pyrene	380		ug/kg	170	10
Benzo(b)fluoranthene	360		ug/kg	170	10
Benzo(k)fluoranthene	300		ug/kg	170	10
Chrysene	210		ug/kg	170	10
Acenaphthylene	ND		ug/kg	170	10
Anthracene	ND		ug/kg	170	10
Benzo(ghi)perylene	280		ug/kg	170	10
Fluorene	ND		ug/kg	170	10
Phenanthrene	ND		ug/kg	170	10
Dibenzo(a,h)anthracene	ND		ug/kg	170	10
Indeno(1,2,3-cd)Pyrene	350		ug/kg	170	10
Pyrene	200		ug/kg	170	10
2-Methylnaphthalene	ND		ug/kg	170	10
Pentachlorophenol	ND		ug/kg	680	10
Hexachlorobenzene	ND		ug/kg	680	10
Hexachloroethane	ND		ug/kg	680	10

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	32		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	102		19-120
4-Terphenyl-d14	57		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/09/09 04:17		
Analyst:	AK		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	440	1
Bis(2-chloroethyl)ether	ND		ug/kg	440	1
1,2-Dichlorobenzene	ND		ug/kg	440	1
1,3-Dichlorobenzene	ND		ug/kg	440	1
1,4-Dichlorobenzene	ND		ug/kg	440	1
3,3'-Dichlorobenzidine	ND		ug/kg	880	1
2,4-Dinitrotoluene	ND		ug/kg	440	1
2,6-Dinitrotoluene	ND		ug/kg	440	1
4-Chlorophenyl phenyl ether	ND		ug/kg	440	1
4-Bromophenyl phenyl ether	ND		ug/kg	440	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	1
Bis(2-chloroethoxy)methane	ND		ug/kg	440	1
Hexachlorocyclopentadiene	ND		ug/kg	880	1
Isophorone	ND		ug/kg	440	1
Nitrobenzene	ND		ug/kg	440	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	440	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	880	1
Butyl benzyl phthalate	ND		ug/kg	440	1
Di-n-butylphthalate	ND		ug/kg	440	1
Di-n-octylphthalate	ND		ug/kg	440	1
Diethyl phthalate	ND		ug/kg	440	1
Dimethyl phthalate	ND		ug/kg	440	1
Biphenyl	ND		ug/kg	440	1
4-Chloroaniline	ND		ug/kg	440	1
2-Nitroaniline	ND		ug/kg	440	1
3-Nitroaniline	ND		ug/kg	440	1
4-Nitroaniline	ND		ug/kg	610	1
Dibenzofuran	ND		ug/kg	440	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1800	1
2,4,6-Trichlorophenol	ND		ug/kg	440	1
P-Chloro-M-Cresol	ND		ug/kg	440	1
2-Chlorophenol	ND		ug/kg	530	1
2,4-Dichlorophenol	ND		ug/kg	880	1
2,4-Dimethylphenol	ND		ug/kg	440	1
2-Nitrophenol	ND		ug/kg	1800	1
4-Nitrophenol	ND		ug/kg	880	1
2,4-Dinitrophenol	ND		ug/kg	1800	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	1
Phenol	ND		ug/kg	610	1
2-Methylphenol	ND		ug/kg	530	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	1
2,4,5-Trichlorophenol	ND		ug/kg	440	1
Benzoic Acid	ND		ug/kg	4400	1
Benzyl Alcohol	ND		ug/kg	880	1
Carbazole	ND		ug/kg	440	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	72		19-120
4-Terphenyl-d14	68		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 11:14		
Analyst:	HL		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	180	10
2-Chloronaphthalene	ND		ug/kg	180	10
Fluoranthene	750		ug/kg	180	10
Hexachlorobutadiene	ND		ug/kg	440	10
Naphthalene	ND		ug/kg	180	10
Benzo(a)anthracene	660		ug/kg	180	10
Benzo(a)pyrene	1100		ug/kg	180	10
Benzo(b)fluoranthene	980		ug/kg	180	10
Benzo(k)fluoranthene	840		ug/kg	180	10
Chrysene	510		ug/kg	180	10
Acenaphthylene	ND		ug/kg	180	10
Anthracene	ND		ug/kg	180	10
Benzo(ghi)perylene	1300		ug/kg	180	10
Fluorene	ND		ug/kg	180	10
Phenanthrene	ND		ug/kg	180	10
Dibenzo(a,h)anthracene	470		ug/kg	180	10
Indeno(1,2,3-cd)Pyrene	1000		ug/kg	180	10
Pyrene	730		ug/kg	180	10
2-Methylnaphthalene	ND		ug/kg	180	10
Pentachlorophenol	ND		ug/kg	700	10
Hexachlorobenzene	ND		ug/kg	700	10
Hexachloroethane	ND		ug/kg	700	10

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	112		19-120
4-Terphenyl-d14	62		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 11:42		
Analyst:	HL		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	220		ug/kg	220	10
2-Chloronaphthalene	ND		ug/kg	220	10
Fluoranthene	6500		ug/kg	220	10
Hexachlorobutadiene	ND		ug/kg	550	10
Naphthalene	ND		ug/kg	220	10
Benzo(a)anthracene	3000		ug/kg	220	10
Benzo(a)pyrene	2300		ug/kg	220	10
Benzo(b)fluoranthene	2100		ug/kg	220	10
Benzo(k)fluoranthene	1800		ug/kg	220	10
Chrysene	3200		ug/kg	220	10
Acenaphthylene	ND		ug/kg	220	10
Anthracene	1200		ug/kg	220	10
Benzo(ghi)perylene	1800		ug/kg	220	10
Fluorene	730		ug/kg	220	10
Phenanthrene	1400		ug/kg	220	10
Dibenzo(a,h)anthracene	760		ug/kg	220	10
Indeno(1,2,3-cd)Pyrene	1300		ug/kg	220	10
Pyrene	6100		ug/kg	220	10
2-Methylnaphthalene	ND		ug/kg	220	10
Pentachlorophenol	ND		ug/kg	870	10
Hexachlorobenzene	ND		ug/kg	870	10
Hexachloroethane	ND		ug/kg	870	10

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	108		19-120
4-Terphenyl-d14	60		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/10/09 18:21		
Analyst:	AK		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	2700	5
Bis(2-chloroethyl)ether	ND		ug/kg	2700	5
1,2-Dichlorobenzene	ND		ug/kg	2700	5
1,3-Dichlorobenzene	ND		ug/kg	2700	5
1,4-Dichlorobenzene	ND		ug/kg	2700	5
3,3'-Dichlorobenzidine	ND		ug/kg	5500	5
2,4-Dinitrotoluene	ND		ug/kg	2700	5
2,6-Dinitrotoluene	ND		ug/kg	2700	5
4-Chlorophenyl phenyl ether	ND		ug/kg	2700	5
4-Bromophenyl phenyl ether	ND		ug/kg	2700	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	2700	5
Bis(2-chloroethoxy)methane	ND		ug/kg	2700	5
Hexachlorocyclopentadiene	ND		ug/kg	5500	5
Isophorone	ND		ug/kg	2700	5
Nitrobenzene	ND		ug/kg	2700	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	8200	5
n-Nitrosodi-n-propylamine	ND		ug/kg	2700	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	5500	5
Butyl benzyl phthalate	ND		ug/kg	2700	5
Di-n-butylphthalate	ND		ug/kg	2700	5
Di-n-octylphthalate	ND		ug/kg	2700	5
Diethyl phthalate	ND		ug/kg	2700	5
Dimethyl phthalate	ND		ug/kg	2700	5
Biphenyl	ND		ug/kg	2700	5
4-Chloroaniline	ND		ug/kg	2700	5
2-Nitroaniline	ND		ug/kg	2700	5
3-Nitroaniline	ND		ug/kg	2700	5
4-Nitroaniline	ND		ug/kg	3800	5
Dibenzofuran	ND		ug/kg	2700	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	11000	5

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	11000	5
2,4,6-Trichlorophenol	ND		ug/kg	2700	5
P-Chloro-M-Cresol	ND		ug/kg	2700	5
2-Chlorophenol	ND		ug/kg	3300	5
2,4-Dichlorophenol	ND		ug/kg	5500	5
2,4-Dimethylphenol	ND		ug/kg	2700	5
2-Nitrophenol	ND		ug/kg	11000	5
4-Nitrophenol	ND		ug/kg	5500	5
2,4-Dinitrophenol	ND		ug/kg	11000	5
4,6-Dinitro-o-cresol	ND		ug/kg	11000	5
Phenol	ND		ug/kg	3800	5
2-Methylphenol	ND		ug/kg	3300	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	3300	5
2,4,5-Trichlorophenol	ND		ug/kg	2700	5
Benzoic Acid	ND		ug/kg	27000	5
Benzyl Alcohol	ND		ug/kg	5500	5
Carbazole	ND		ug/kg	2700	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	54		19-120
4-Terphenyl-d14	64		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/09/09 05:06		
Analyst:	AK		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	430	1
Bis(2-chloroethyl)ether	ND		ug/kg	430	1
1,2-Dichlorobenzene	ND		ug/kg	430	1
1,3-Dichlorobenzene	ND		ug/kg	430	1
1,4-Dichlorobenzene	ND		ug/kg	430	1
3,3'-Dichlorobenzidine	ND		ug/kg	850	1
2,4-Dinitrotoluene	ND		ug/kg	430	1
2,6-Dinitrotoluene	ND		ug/kg	430	1
4-Chlorophenyl phenyl ether	ND		ug/kg	430	1
4-Bromophenyl phenyl ether	ND		ug/kg	430	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	1
Bis(2-chloroethoxy)methane	ND		ug/kg	430	1
Hexachlorocyclopentadiene	ND		ug/kg	850	1
Isophorone	ND		ug/kg	430	1
Nitrobenzene	ND		ug/kg	430	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	430	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	850	1
Butyl benzyl phthalate	ND		ug/kg	430	1
Di-n-butylphthalate	ND		ug/kg	430	1
Di-n-octylphthalate	ND		ug/kg	430	1
Diethyl phthalate	ND		ug/kg	430	1
Dimethyl phthalate	ND		ug/kg	430	1
Biphenyl	ND		ug/kg	430	1
4-Chloroaniline	ND		ug/kg	430	1
2-Nitroaniline	ND		ug/kg	430	1
3-Nitroaniline	ND		ug/kg	430	1
4-Nitroaniline	ND		ug/kg	600	1
Dibenzofuran	ND		ug/kg	430	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	430	1
P-Chloro-M-Cresol	ND		ug/kg	430	1
2-Chlorophenol	ND		ug/kg	510	1
2,4-Dichlorophenol	ND		ug/kg	850	1
2,4-Dimethylphenol	ND		ug/kg	430	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	850	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	600	1
2-Methylphenol	ND		ug/kg	510	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	1
2,4,5-Trichlorophenol	ND		ug/kg	430	1
Benzoic Acid	ND		ug/kg	4300	1
Benzyl Alcohol	ND		ug/kg	850	1
Carbazole	ND		ug/kg	430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	34		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	**13**		19-120
4-Terphenyl-d14	38		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 12:10		
Analyst:	HL		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	85	5
2-Chloronaphthalene	ND		ug/kg	85	5
Fluoranthene	1200		ug/kg	85	5
Hexachlorobutadiene	ND		ug/kg	210	5
Naphthalene	360		ug/kg	85	5
Benzo(a)anthracene	600		ug/kg	85	5
Benzo(a)pyrene	520		ug/kg	85	5
Benzo(b)fluoranthene	510		ug/kg	85	5
Benzo(k)fluoranthene	480		ug/kg	85	5
Chrysene	550		ug/kg	85	5
Acenaphthylene	ND		ug/kg	85	5
Anthracene	240		ug/kg	85	5
Benzo(ghi)perylene	370		ug/kg	85	5
Fluorene	130		ug/kg	85	5
Phenanthrene	810		ug/kg	85	5
Dibenzo(a,h)anthracene	180		ug/kg	85	5
Indeno(1,2,3-cd)Pyrene	350		ug/kg	85	5
Pyrene	1000		ug/kg	85	5
2-Methylnaphthalene	95		ug/kg	85	5
Pentachlorophenol	ND		ug/kg	340	5
Hexachlorobenzene	ND		ug/kg	340	5
Hexachloroethane	ND		ug/kg	340	5

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**21**		25-120
Phenol-d6	23		10-120
Nitrobenzene-d5	24		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	43		19-120
4-Terphenyl-d14	31		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 12:38		
Analyst:	HL		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	170	10
2-Chloronaphthalene	ND		ug/kg	170	10
Fluoranthene	1900		ug/kg	170	10
Hexachlorobutadiene	ND		ug/kg	420	10
Naphthalene	340		ug/kg	170	10
Benzo(a)anthracene	1100		ug/kg	170	10
Benzo(a)pyrene	1100		ug/kg	170	10
Benzo(b)fluoranthene	1100		ug/kg	170	10
Benzo(k)fluoranthene	890		ug/kg	170	10
Chrysene	1000		ug/kg	170	10
Acenaphthylene	ND		ug/kg	170	10
Anthracene	270		ug/kg	170	10
Benzo(ghi)perylene	920		ug/kg	170	10
Fluorene	ND		ug/kg	170	10
Phenanthrene	830		ug/kg	170	10
Dibenzo(a,h)anthracene	380		ug/kg	170	10
Indeno(1,2,3-cd)Pyrene	780		ug/kg	170	10
Pyrene	1700		ug/kg	170	10
2-Methylnaphthalene	ND		ug/kg	170	10
Pentachlorophenol	ND		ug/kg	670	10
Hexachlorobenzene	ND		ug/kg	670	10
Hexachloroethane	ND		ug/kg	670	10

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	105		19-120
4-Terphenyl-d14	67		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/10/09 16:20		
Analyst:	AK		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	420	1
Bis(2-chloroethyl)ether	ND		ug/kg	420	1
1,2-Dichlorobenzene	ND		ug/kg	420	1
1,3-Dichlorobenzene	ND		ug/kg	420	1
1,4-Dichlorobenzene	ND		ug/kg	420	1
3,3'-Dichlorobenzidine	ND		ug/kg	830	1
2,4-Dinitrotoluene	ND		ug/kg	420	1
2,6-Dinitrotoluene	ND		ug/kg	420	1
4-Chlorophenyl phenyl ether	ND		ug/kg	420	1
4-Bromophenyl phenyl ether	ND		ug/kg	420	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	1
Bis(2-chloroethoxy)methane	ND		ug/kg	420	1
Hexachlorocyclopentadiene	ND		ug/kg	830	1
Isophorone	ND		ug/kg	420	1
Nitrobenzene	ND		ug/kg	420	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	420	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	830	1
Butyl benzyl phthalate	ND		ug/kg	420	1
Di-n-butylphthalate	ND		ug/kg	420	1
Di-n-octylphthalate	ND		ug/kg	420	1
Diethyl phthalate	ND		ug/kg	420	1
Dimethyl phthalate	ND		ug/kg	420	1
Biphenyl	ND		ug/kg	420	1
4-Chloroaniline	ND		ug/kg	420	1
2-Nitroaniline	ND		ug/kg	420	1
3-Nitroaniline	ND		ug/kg	420	1
4-Nitroaniline	ND		ug/kg	580	1
Dibenzofuran	ND		ug/kg	420	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	420	1
P-Chloro-M-Cresol	ND		ug/kg	420	1
2-Chlorophenol	ND		ug/kg	500	1
2,4-Dichlorophenol	ND		ug/kg	830	1
2,4-Dimethylphenol	ND		ug/kg	420	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	830	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	580	1
2-Methylphenol	ND		ug/kg	500	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	1
2,4,5-Trichlorophenol	ND		ug/kg	420	1
Benzoic Acid	ND		ug/kg	4200	1
Benzyl Alcohol	ND		ug/kg	830	1
Carbazole	ND		ug/kg	420	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	60		19-120
4-Terphenyl-d14	77		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/09/09 05:54		
Analyst:	AK		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	740	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	740	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	740	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	520	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	440	1
2,4-Dichlorophenol	ND		ug/kg	740	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	740	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	520	1
2-Methylphenol	ND		ug/kg	440	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	740	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	34		23-120
2-Fluorobiphenyl	31		30-120
2,4,6-Tribromophenol	19		19-120
4-Terphenyl-d14	38		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 13:07		
Analyst:	HL		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	ND		ug/kg	15	1
Benzo(a)pyrene	ND		ug/kg	15	1
Benzo(b)fluoranthene	ND		ug/kg	15	1
Benzo(k)fluoranthene	ND		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	ND		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	ND		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	ND		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	59	1
Hexachlorobenzene	ND		ug/kg	59	1
Hexachloroethane	ND		ug/kg	59	1

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**22**		25-120
Phenol-d6	24		10-120
Nitrobenzene-d5	24		23-120
2-Fluorobiphenyl	31		30-120
2,4,6-Tribromophenol	22		19-120
4-Terphenyl-d14	33		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 16:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:09

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG365236-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 16:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:09

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG365236-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Tentatively Identified Compounds

Unknown	50	J

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 16:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:09

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG365236-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	35		19-120
4-Terphenyl-d14	58		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 08:47
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:11

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG365237-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 08:47
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:11

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG365237-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	39		30-120
2,4,6-Tribromophenol	31		19-120
4-Terphenyl-d14	41		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907118

Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG365236-2 WG365236-3					
1,2,4-Trichlorobenzene	74	81	38-107	9	50
1,2-Dichlorobenzene	74	80	40-140	8	50
1,4-Dichlorobenzene	73	78	28-104	7	50
2,4-Dinitrotoluene	**93**	**99**	28-89	6	50
2,6-Dinitrotoluene	89	90	40-140	1	50
4-Chlorophenyl phenyl ether	87	88	40-140	1	50
n-Nitrosodi-n-propylamine	74	81	41-126	9	50
Butyl benzyl phthalate	97	100	40-140	3	50
P-Chloro-M-Cresol	94	94	26-103	0	50
2-Chlorophenol	78	85	25-102	9	50
2-Nitrophenol	80	86	30-130	7	50
4-Nitrophenol	85	98	11-114	14	50
2,4-Dinitrophenol	15	21	4-130	33	50
Phenol	82	86	26-90	5	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG365236-2 WG365236-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		90		25-120
Phenol-d6	81		88		10-120
Nitrobenzene-d5	78		87		23-120
2-Fluorobiphenyl	79		83		30-120
2,4,6-Tribromophenol	101		105		19-120
4-Terphenyl-d14	91		96		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG365237-2 WG365237-3

Acenaphthene	42	46	31-137	9	50
2-Chloronaphthalene	87	82	40-140	6	50
Fluoranthene	50	54	40-140	8	50
Anthracene	48	50	40-140	4	50
Pyrene	49	56	35-142	13	50
Pentachlorophenol	22	18	17-109	20	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907118

Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG365237-2 WG365237-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		59		25-120
Phenol-d6	59		58		10-120
Nitrobenzene-d5	64		61		23-120
2-Fluorobiphenyl	60		54		30-120
2,4,6-Tribromophenol	65		58		19-120
4-Terphenyl-d14	63		65		18-120

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 07:14	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	42.2	1
Aroclor 1221	ND		ug/kg	42.2	1
Aroclor 1232	ND		ug/kg	42.2	1
Aroclor 1242	ND		ug/kg	42.2	1
Aroclor 1248	ND		ug/kg	42.2	1
Aroclor 1254	ND		ug/kg	42.2	1
Aroclor 1260	ND		ug/kg	42.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/10/09 15:22	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	76%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	06/10/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	43.8	1
Aroclor 1221	ND		ug/kg	43.8	1
Aroclor 1232	ND		ug/kg	43.8	1
Aroclor 1242	ND		ug/kg	43.8	1
Aroclor 1248	ND		ug/kg	43.8	1
Aroclor 1254	ND		ug/kg	43.8	1
Aroclor 1260	ND		ug/kg	43.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**8**		30-150	A
Decachlorobiphenyl	**18**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**8**		30-150	B
Decachlorobiphenyl	**28**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 06:03	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	54.6	1
Aroclor 1221	ND		ug/kg	54.6	1
Aroclor 1232	ND		ug/kg	54.6	1
Aroclor 1242	ND		ug/kg	54.6	1
Aroclor 1248	ND		ug/kg	54.6	1
Aroclor 1254	ND		ug/kg	54.6	1
Aroclor 1260	ND		ug/kg	54.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 20:26	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	42.7	1
Aroclor 1221	ND		ug/kg	42.7	1
Aroclor 1232	ND		ug/kg	42.7	1
Aroclor 1242	ND		ug/kg	42.7	1
Aroclor 1248	ND		ug/kg	42.7	1
Aroclor 1254	ND		ug/kg	42.7	1
Aroclor 1260	ND		ug/kg	42.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	30		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	31		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 20:40	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1260	91.2		ug/kg	41.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	**421**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	**388**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 20:40	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	41.7	1
Aroclor 1221	ND		ug/kg	41.7	1
Aroclor 1232	ND		ug/kg	41.7	1
Aroclor 1242	ND		ug/kg	41.7	1
Aroclor 1248	ND		ug/kg	41.7	1
Aroclor 1254	ND		ug/kg	41.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	**421**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	**388**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 06:40	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	37.0	1
Aroclor 1221	ND		ug/kg	37.0	1
Aroclor 1232	ND		ug/kg	37.0	1
Aroclor 1242	ND		ug/kg	37.0	1
Aroclor 1248	ND		ug/kg	37.0	1
Aroclor 1254	ND		ug/kg	37.0	1
Aroclor 1260	ND		ug/kg	37.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/08/09 20:41
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/05/09 14:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/08/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-06 Batch: WG365510-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/10/09 15:47
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/05/09 14:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/08/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/10/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG366258-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-06 Batch: WG365510-2 WG365510-3					
Aroclor 1016	85	106	40-140	22	30
Aroclor 1260	91	103	40-140	12	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		86		30-150	A
Decachlorobiphenyl	99		108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		88		30-150	B
Decachlorobiphenyl	116		118		30-150	B

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG366258-2 WG366258-3					
Aroclor 1016	90	102	40-140	13	30
Aroclor 1260	83	98	40-140	17	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		86		30-150	A
Decachlorobiphenyl	85		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		89		30-150	B
Decachlorobiphenyl	113		113		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/09/09 11:25	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	79%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
4,4'-DDT	110		ug/kg	4.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/09/09 11:25	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	79%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.22	1
Lindane	ND		ug/kg	4.22	1
Alpha-BHC	ND		ug/kg	4.22	1
Beta-BHC	ND		ug/kg	4.22	1
Heptachlor	ND		ug/kg	4.22	1
Aldrin	ND		ug/kg	4.22	1
Heptachlor epoxide	ND		ug/kg	4.22	1
Endrin	ND		ug/kg	4.22	1
Endrin ketone	ND		ug/kg	4.22	1
Dieldrin	ND		ug/kg	4.22	1
4,4'-DDE	72.3		ug/kg	4.22	1
4,4'-DDD	28.1		ug/kg	4.22	1
Endosulfan I	ND		ug/kg	4.22	1
Endosulfan II	ND		ug/kg	4.22	1
Endosulfan sulfate	ND		ug/kg	4.22	1
Methoxychlor	ND		ug/kg	16.9	1
trans-Chlordane	ND		ug/kg	4.22	1
Chlordane	ND		ug/kg	42.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-01	Date Collected:	06/02/09 08:55
Client ID:	GB 16-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/03/09 12:00
Analytical Date:	06/09/09 18:06		
Analyst:	SS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.042	1
2,4,5-T	ND		mg/kg	0.042	1
2,4,5-TP (Silvex)	ND		mg/kg	0.042	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	105		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/10/09 14:01	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	76%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	110	25
Lindane	ND		ug/kg	110	25
Alpha-BHC	ND		ug/kg	110	25
Beta-BHC	ND		ug/kg	110	25
Heptachlor	ND		ug/kg	110	25
Aldrin	ND		ug/kg	110	25
Heptachlor epoxide	ND		ug/kg	110	25
Endrin	ND		ug/kg	110	25
Endrin ketone	ND		ug/kg	110	25
Dieldrin	ND		ug/kg	110	25
4,4'-DDE	ND		ug/kg	110	25
4,4'-DDD	ND		ug/kg	110	25
4,4'-DDT	ND		ug/kg	110	25
Endosulfan I	ND		ug/kg	110	25
Endosulfan II	ND		ug/kg	110	25
Endosulfan sulfate	ND		ug/kg	110	25
Methoxychlor	ND		ug/kg	438	25
trans-Chlordane	ND		ug/kg	110	25
Chlordane	ND		ug/kg	1100	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	A
Decachlorobiphenyl	**0**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	B
Decachlorobiphenyl	**0**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-02	Date Collected:	06/02/09 08:00
Client ID:	GB 15-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/03/09 12:00
Analytical Date:	06/09/09 18:27		
Analyst:	SS		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.044	1
2,4,5-T	ND		mg/kg	0.044	1
2,4,5-TP (Silvex)	ND		mg/kg	0.044	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	146		30-150	A
DCAA	120		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/10/09 16:02	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	61%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	683	125
Lindane	ND		ug/kg	683	125
Alpha-BHC	ND		ug/kg	683	125
Beta-BHC	ND		ug/kg	683	125
Heptachlor	ND		ug/kg	683	125
Aldrin	ND		ug/kg	683	125
Heptachlor epoxide	ND		ug/kg	683	125
Endrin	ND		ug/kg	683	125
Endrin ketone	ND		ug/kg	683	125
Dieldrin	ND		ug/kg	683	125
4,4'-DDE	ND		ug/kg	683	125
4,4'-DDD	ND		ug/kg	683	125
4,4'-DDT	ND		ug/kg	683	125
Endosulfan I	ND		ug/kg	683	125
Endosulfan II	ND		ug/kg	683	125
Endosulfan sulfate	ND		ug/kg	683	125
Methoxychlor	ND		ug/kg	2730	125
trans-Chlordane	ND		ug/kg	683	125
Chlordane	ND		ug/kg	6830	125

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	A
Decachlorobiphenyl	**0**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	B
Decachlorobiphenyl	**0**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-03	Date Collected:	06/02/09 09:30
Client ID:	GB 17-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/03/09 12:00
Analytical Date:	06/09/09 18:47		
Analyst:	SS		
Percent Solids:	61%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.055	1
2,4,5-T	ND		mg/kg	0.055	1
2,4,5-TP (Silvex)	ND		mg/kg	0.055	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	140		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/10/09 14:28	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	78%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	107	25
Lindane	ND		ug/kg	107	25
Alpha-BHC	ND		ug/kg	107	25
Beta-BHC	ND		ug/kg	107	25
Heptachlor	ND		ug/kg	107	25
Aldrin	ND		ug/kg	107	25
Heptachlor epoxide	ND		ug/kg	107	25
Endrin	ND		ug/kg	107	25
Endrin ketone	ND		ug/kg	107	25
Dieldrin	ND		ug/kg	107	25
4,4'-DDE	ND		ug/kg	107	25
4,4'-DDD	ND		ug/kg	107	25
4,4'-DDT	ND		ug/kg	107	25
Endosulfan I	ND		ug/kg	107	25
Endosulfan II	ND		ug/kg	107	25
Endosulfan sulfate	ND		ug/kg	107	25
Methoxychlor	ND		ug/kg	427	25
trans-Chlordane	ND		ug/kg	107	25
Chlordane	ND		ug/kg	1070	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	A
Decachlorobiphenyl	**0**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	B
Decachlorobiphenyl	**0**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-04	Date Collected:	06/02/09 10:15
Client ID:	GB 18-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/03/09 12:00
Analytical Date:	06/09/09 19:07		
Analyst:	SS		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.043	1
2,4,5-T	ND		mg/kg	0.043	1
2,4,5-TP (Silvex)	ND		mg/kg	0.043	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	122		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/09/09 12:19	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	80%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.17	1
Lindane	ND		ug/kg	4.17	1
Alpha-BHC	ND		ug/kg	4.17	1
Beta-BHC	ND		ug/kg	4.17	1
Heptachlor	ND		ug/kg	4.17	1
Aldrin	ND		ug/kg	4.17	1
Heptachlor epoxide	ND		ug/kg	4.17	1
Endrin	ND		ug/kg	4.17	1
Endrin ketone	ND		ug/kg	4.17	1
Dieldrin	ND		ug/kg	4.17	1
4,4'-DDE	ND		ug/kg	4.17	1
4,4'-DDD	ND		ug/kg	4.17	1
4,4'-DDT	ND		ug/kg	4.17	1
Endosulfan I	ND		ug/kg	4.17	1
Endosulfan II	ND		ug/kg	4.17	1
Endosulfan sulfate	ND		ug/kg	4.17	1
Methoxychlor	ND		ug/kg	16.7	1
trans-Chlordane	ND		ug/kg	4.17	1
Chlordane	ND		ug/kg	41.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**26**		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-05	Date Collected:	06/02/09 10:40
Client ID:	GB 19-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/03/09 12:00
Analytical Date:	06/09/09 19:28		
Analyst:	SS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.042	1
2,4,5-T	ND		mg/kg	0.042	1
2,4,5-TP (Silvex)	ND		mg/kg	0.042	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	93		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/09/09 12:32	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	90%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.70	1
Lindane	ND		ug/kg	3.70	1
Alpha-BHC	ND		ug/kg	3.70	1
Beta-BHC	ND		ug/kg	3.70	1
Heptachlor	ND		ug/kg	3.70	1
Aldrin	ND		ug/kg	3.70	1
Heptachlor epoxide	ND		ug/kg	3.70	1
Endrin	ND		ug/kg	3.70	1
Endrin ketone	ND		ug/kg	3.70	1
Dieldrin	ND		ug/kg	3.70	1
4,4'-DDE	ND		ug/kg	3.70	1
4,4'-DDD	ND		ug/kg	3.70	1
4,4'-DDT	ND		ug/kg	3.70	1
Endosulfan I	ND		ug/kg	3.70	1
Endosulfan II	ND		ug/kg	3.70	1
Endosulfan sulfate	ND		ug/kg	3.70	1
Methoxychlor	ND		ug/kg	14.8	1
trans-Chlordane	ND		ug/kg	3.70	1
Chlordane	ND		ug/kg	37.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**25**		30-150	B
Decachlorobiphenyl	**24**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID:	L0907118-06	Date Collected:	06/02/09 09:45
Client ID:	B3-2-3	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/03/09 12:00
Analytical Date:	06/09/09 19:48		
Analyst:	SS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.037	1
2,4,5-T	ND		mg/kg	0.037	1
2,4,5-TP (Silvex)	ND		mg/kg	0.037	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	92		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 06/09/09 17:05
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 06/03/09 12:00

Parameter	Result	Qualifier	Units	RDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG365020-1				
2,4-D	ND		mg/kg	0.033
2,4,5-T	ND		mg/kg	0.033
2,4,5-TP (Silvex)	ND		mg/kg	0.033

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	55		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/09/09 10:46
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/04/09 15:19
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/09/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG365249-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	58		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG365020-2 WG365020-3					
2,4-D	82	77	30-150	6	30
2,4,5-T	83	82	30-150	1	30
2,4,5-TP (Silvex)	79	76	30-150	4	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		69		30-150	A
DCAA	75		72		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG365249-2 WG365249-3					
Delta-BHC	60	58	30-150	3	30
Lindane	60	59	30-150	2	30
Alpha-BHC	58	57	30-150	2	30
Beta-BHC	60	61	30-150	2	30
Heptachlor	58	58	30-150	0	30
Aldrin	61	62	30-150	2	30
Heptachlor epoxide	70	72	30-150	3	30
Endrin	67	70	30-150	4	30
Endrin ketone	68	71	30-150	4	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG365249-2 WG365249-3					
Dieldrin	70	73	30-150	4	30
4,4'-DDE	71	72	30-150	1	30
4,4'-DDD	78	81	30-150	4	30
4,4'-DDT	68	74	30-150	8	30
Endosulfan I	69	72	30-150	4	30
Endosulfan II	68	69	30-150	1	30
Endosulfan sulfate	59	59	30-150	0	30
Methoxychlor	64	68	30-150	6	30
trans-Chlordane	64	66	30-150	3	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		49		30-150	A
Decachlorobiphenyl	90		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		47		30-150	B
Decachlorobiphenyl	62		56		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-01 Date Collected: 06/02/09 08:55

Client ID: GB 16-8-9 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	11000		mg/kg	25	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Antimony, Total	14		mg/kg	12	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Arsenic, Total	53		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Barium, Total	1500		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	1.2	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Cadmium, Total	5.5		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Calcium, Total	27000		mg/kg	25	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Chromium, Total	53		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Cobalt, Total	15		mg/kg	5.0	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Copper, Total	1200		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Iron, Total	47000		mg/kg	12	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Lead, Total	3000		mg/kg	12	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Magnesium, Total	7000		mg/kg	25	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Manganese, Total	440		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Mercury, Total	1.4		mg/kg	0.10	1	06/06/09 13:00	06/08/09 12:32	EPA 7471A	1,7471A	EZ
Nickel, Total	65		mg/kg	6.2	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Potassium, Total	2200		mg/kg	620	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	5.0	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Silver, Total	5.8		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Sodium, Total	4300		mg/kg	500	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	5.0	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Vanadium, Total	48		mg/kg	2.5	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG
Zinc, Total	2200		mg/kg	12	5	06/03/09 16:00	06/04/09 09:53	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-02 Date Collected: 06/02/09 08:00

Client ID: GB 15-4-5 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	4000		mg/kg	5.3	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.6	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Arsenic, Total	25		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Barium, Total	320		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Beryllium, Total	0.47		mg/kg	0.26	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Cadmium, Total	0.72		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Calcium, Total	8600		mg/kg	5.3	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Chromium, Total	13		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Cobalt, Total	5.1		mg/kg	1.1	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Copper, Total	2100		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Iron, Total	13000		mg/kg	2.6	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Lead, Total	440		mg/kg	2.6	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Magnesium, Total	1200		mg/kg	5.3	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Manganese, Total	120		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Mercury, Total	1.5		mg/kg	0.11	1	06/06/09 13:00	06/08/09 12:34	EPA 7471A	1,7471A	EZ
Nickel, Total	15		mg/kg	1.3	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Potassium, Total	550		mg/kg	130	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Selenium, Total	1.5		mg/kg	1.1	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Silver, Total	2.2		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Sodium, Total	1200		mg/kg	110	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.1	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Vanadium, Total	23		mg/kg	0.53	1	06/03/09 16:00	06/04/09 09:56	EPA 3050B	1,6010B	MG
Zinc, Total	1200		mg/kg	26	10	06/03/09 16:00	06/04/09 15:44	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-03 Date Collected: 06/02/09 09:30

Client ID: GB 17-8-9 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 61%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	3200		mg/kg	33	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Antimony, Total	96		mg/kg	16	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Arsenic, Total	62		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Barium, Total	630		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	1.6	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Cadmium, Total	5.8		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Calcium, Total	28000		mg/kg	33	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Chromium, Total	150		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Cobalt, Total	21		mg/kg	6.5	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Copper, Total	460		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Iron, Total	240000		mg/kg	33	10	06/03/09 16:00	06/04/09 15:46	EPA 3050B	1,6010B	MG
Lead, Total	7800		mg/kg	16	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Magnesium, Total	7200		mg/kg	33	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Manganese, Total	1100		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Mercury, Total	2.2		mg/kg	0.13	1	06/06/09 13:00	06/08/09 12:35	EPA 7471A	1,7471A	EZ
Nickel, Total	120		mg/kg	8.2	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Potassium, Total	ND		mg/kg	820	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	6.5	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Sodium, Total	2200		mg/kg	650	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	13	10	06/03/09 16:00	06/04/09 15:46	EPA 3050B	1,6010B	MG
Vanadium, Total	18		mg/kg	3.3	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG
Zinc, Total	1600		mg/kg	16	5	06/03/09 16:00	06/04/09 09:58	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-04 Date Collected: 06/02/09 10:15

Client ID: GB 18-7-8 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	6600		mg/kg	25	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	13	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Arsenic, Total	35		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Barium, Total	530		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	1.3	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Cadmium, Total	3.6		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Calcium, Total	16000		mg/kg	25	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Chromium, Total	32		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Cobalt, Total	10		mg/kg	5.1	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Copper, Total	560		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Iron, Total	44000		mg/kg	13	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Lead, Total	1400		mg/kg	13	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Magnesium, Total	2400		mg/kg	25	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Manganese, Total	280		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Mercury, Total	11		mg/kg	0.92	10	06/06/09 13:00	06/08/09 13:52	EPA 7471A	1,7471A	EZ
Nickel, Total	35		mg/kg	6.3	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Potassium, Total	ND		mg/kg	630	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	5.1	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Sodium, Total	1900		mg/kg	510	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	5.1	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Vanadium, Total	25		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG
Zinc, Total	1100		mg/kg	13	5	06/03/09 16:00	06/04/09 10:01	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-05 Date Collected: 06/02/09 10:40

Client ID: GB 19-2-3 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	6800		mg/kg	25	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	13	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Arsenic, Total	25		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Barium, Total	920		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	1.3	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Cadmium, Total	7.1		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Calcium, Total	9700		mg/kg	25	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Chromium, Total	62		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Cobalt, Total	11		mg/kg	5.0	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Copper, Total	660		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Iron, Total	56000		mg/kg	13	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Lead, Total	1400		mg/kg	13	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Magnesium, Total	1300		mg/kg	25	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Manganese, Total	430		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Mercury, Total	4.6		mg/kg	0.52	5	06/06/09 13:00	06/08/09 13:38	EPA 7471A	1,7471A	EZ
Nickel, Total	74		mg/kg	6.3	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Potassium, Total	980		mg/kg	630	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	5.0	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Silver, Total	7.0		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Sodium, Total	1400		mg/kg	500	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	5.0	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Vanadium, Total	32		mg/kg	2.5	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG
Zinc, Total	1400		mg/kg	13	5	06/03/09 16:00	06/04/09 10:03	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-06 Date Collected: 06/02/09 09:45

Client ID: B3-2-3 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	11000		mg/kg	4.4	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Arsenic, Total	2.0		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Barium, Total	110		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Beryllium, Total	0.76		mg/kg	0.22	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Cadmium, Total	0.55		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Calcium, Total	1400		mg/kg	4.4	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Chromium, Total	28		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Cobalt, Total	9.8		mg/kg	0.88	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Copper, Total	22		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Iron, Total	17000		mg/kg	2.2	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Lead, Total	8.9		mg/kg	2.2	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Magnesium, Total	3400		mg/kg	4.4	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Manganese, Total	760		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	06/06/09 13:00	06/08/09 12:42	EPA 7471A	1,7471A	EZ
Nickel, Total	22		mg/kg	1.1	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Potassium, Total	3300		mg/kg	110	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.88	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Sodium, Total	700		mg/kg	88	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.88	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Vanadium, Total	29		mg/kg	0.44	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG
Zinc, Total	42		mg/kg	2.2	1	06/03/09 16:00	06/04/09 10:58	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG365111-1									
Aluminum, Total	ND		mg/kg	4.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Calcium, Total	ND		mg/kg	4.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Potassium, Total	ND		mg/kg	100	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Sodium, Total	ND		mg/kg	80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG365623-1									
Mercury, Total	ND		mg/kg	0.08	1	06/06/09 13:00	06/08/09 12:10	1,7471A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0907118

Project Number: 5817802 **Report Date:** 06/10/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG365111-2					
Aluminum, Total	99	-	75-125	-	
Antimony, Total	99	-	75-125	-	
Arsenic, Total	97	-	75-125	-	
Barium, Total	99	-	75-125	-	
Beryllium, Total	104	-	75-125	-	
Cadmium, Total	107	-	75-125	-	
Calcium, Total	94	-	75-125	-	
Chromium, Total	103	-	75-125	-	
Cobalt, Total	104	-	75-125	-	
Copper, Total	99	-	75-125	-	
Iron, Total	104	-	75-125	-	
Lead, Total	97	-	75-125	-	
Magnesium, Total	96	-	75-125	-	
Manganese, Total	99	-	75-125	-	
Nickel, Total	99	-	75-125	-	
Potassium, Total	89	-	75-125	-	
Selenium, Total	95	-	75-125	-	
Silver, Total	107	-	75-125	-	
Sodium, Total	101	-	75-125	-	
Thallium, Total	95	-	75-125	-	
Vanadium, Total	104	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG365111-2					
Zinc, Total	104	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG365623-2					
Mercury, Total	116	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365111-4 QC Sample: L0907129-31 Client ID: MS Sample									
Aluminum, Total	7000	86.7	7100	115	-	-	75-125	-	35
Antimony, Total	ND	21.7	7.1	**33**	-	-	75-125	-	35
Arsenic, Total	6.5	5.2	11	86	-	-	75-125	-	35
Barium, Total	110	86.7	200	104	-	-	75-125	-	35
Beryllium, Total	0.53	2.17	2.6	96	-	-	75-125	-	35
Cadmium, Total	0.49	2.21	2.5	91	-	-	75-125	-	35
Calcium, Total	8500	433	8700	**46**	-	-	75-125	-	35
Chromium, Total	16	8.67	23	81	-	-	75-125	-	35
Cobalt, Total	5.1	21.7	24	87	-	-	75-125	-	35
Copper, Total	42	10.8	57	**138**	-	-	75-125	-	35
Iron, Total	12000	43.3	11000	**0**	-	-	75-125	-	35
Lead, Total	150	22.1	160	**45**	-	-	75-125	-	35
Magnesium, Total	3000	433	3500	115	-	-	75-125	-	35
Manganese, Total	260	21.7	260	**0**	-	-	75-125	-	35
Nickel, Total	12	21.7	30	83	-	-	75-125	-	35
Potassium, Total	1200	433	1700	115	-	-	75-125	-	35
Selenium, Total	ND	5.2	4.7	90	-	-	75-125	-	35
Silver, Total	ND	13	13	100	-	-	75-125	-	35
Sodium, Total	170	433	590	97	-	-	75-125	-	35
Thallium, Total	ND	5.2	3.9	75	-	-	75-125	-	35
Vanadium, Total	24	21.7	39	**69**	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365111-4 QC Sample: L0907129-31 Client ID: MS Sample									
Zinc, Total	120	21.7	170	**231**	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365623-4 QC Sample: L0907098-01 Client ID: MS Sample									
Mercury, Total	ND	0.168	0.23	**137**	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365111-3 QC Sample: L0907129-31 Client ID: DUP Sample					
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	6.5	6.0	mg/kg	8	35
Barium, Total	110	100	mg/kg	10	35
Beryllium, Total	0.53	0.49	mg/kg	8	35
Cadmium, Total	0.49	0.56	mg/kg	13	35
Copper, Total	42	38	mg/kg	10	35
Lead, Total	150	130	mg/kg	14	35
Nickel, Total	12	12	mg/kg	0	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	120	140	mg/kg	15	35
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365623-3 QC Sample: L0907098-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-01
Client ID: GB 16-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 08:55
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	79		%	0.10	1	-	06/07/09 15:45	30,2540G	NM

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-02
Client ID: GB 15-4-5
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 08:00
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	76		%	0.10	1	-	06/07/09 15:45	30,2540G	NM

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-03
Client ID: GB 17-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 09:30
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	61		%	0.10	1	-	06/07/09 15:45	30,2540G	NM

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-04
Client ID: GB 18-7-8
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 10:15
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	78		%	0.10	1	-	06/07/09 15:45	30,2540G	NM

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-05
Client ID: GB 19-2-3
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 10:40
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	80		%	0.10	1	-	06/07/09 15:45	30,2540G	NM

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

SAMPLE RESULTS

Lab ID: L0907118-06
Client ID: B3-2-3
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 09:45
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	90		%	0.10	1	-	06/07/09 15:45	30,2540G	NM

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG365657-1 QC Sample: L0907167-01 Client ID: DUP Sample					
Solids, Total	98	97	%	1	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907118-01A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0907118-01B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907118-01C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907118-02A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0907118-02B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907118-02C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907118-03A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0907118-03B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907118-03C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907118-04A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0907118-04B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907118
Report Date: 06/10/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907118-04C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907118-05A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0907118-05B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907118-05C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907118-06A	Vial Large unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L0907118-06B	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907118-06C	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)

Container Comments

L0907118-06C

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907118
Project Number:	5817802	**Report Date:**	06/10/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907118
Project Number: 5817802 **Report Date:** 06/10/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 9, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671.
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06100923:06

CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 6/2/09

ALPHA Job #: L0907118

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 8th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, sgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817802
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/9/09 Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals						Sample Specific Comments	TOTAL # BOTTLES
07118-01	GB16-8-9	6/2/09	855	S	JFG	X	X	X	X	X	X						3 jars	
-02	GB15-4-5	6/2/09	800	S	JFG	X	X	X	X	X	X						3 jars	
-03	GB17-8-9	6/2/09	930	S	JFG	X	X	X	X	X	X						3 jars	
-04	GB18-7-8	6/2/09	1015	S	JFG	X	X	X	X	X	X						3 jars	
-05	GB19-2-3	6/2/09	1040	S	JFG	X	X	X	X	X	X						3 jars	
-06	B3-2-3	6/2/09	945	S	JFG	X	X	X	X	X	X						3 jars	

Container Type	A	A	A	A	A	A						
Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/2/09 1600	[signature]	6/2/09 1600
[signature]	6/2/09 1740	[signature]	6/2/09 1740
[signature]	6/2/09 20:40	[signature]	6/2/09 20:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Data File: \\Orgserv1\ee\chem\GCEXT\Pest2.i\090609na.b\0609na012.d

Date : 09-JUN-2009 20:40

Client ID:

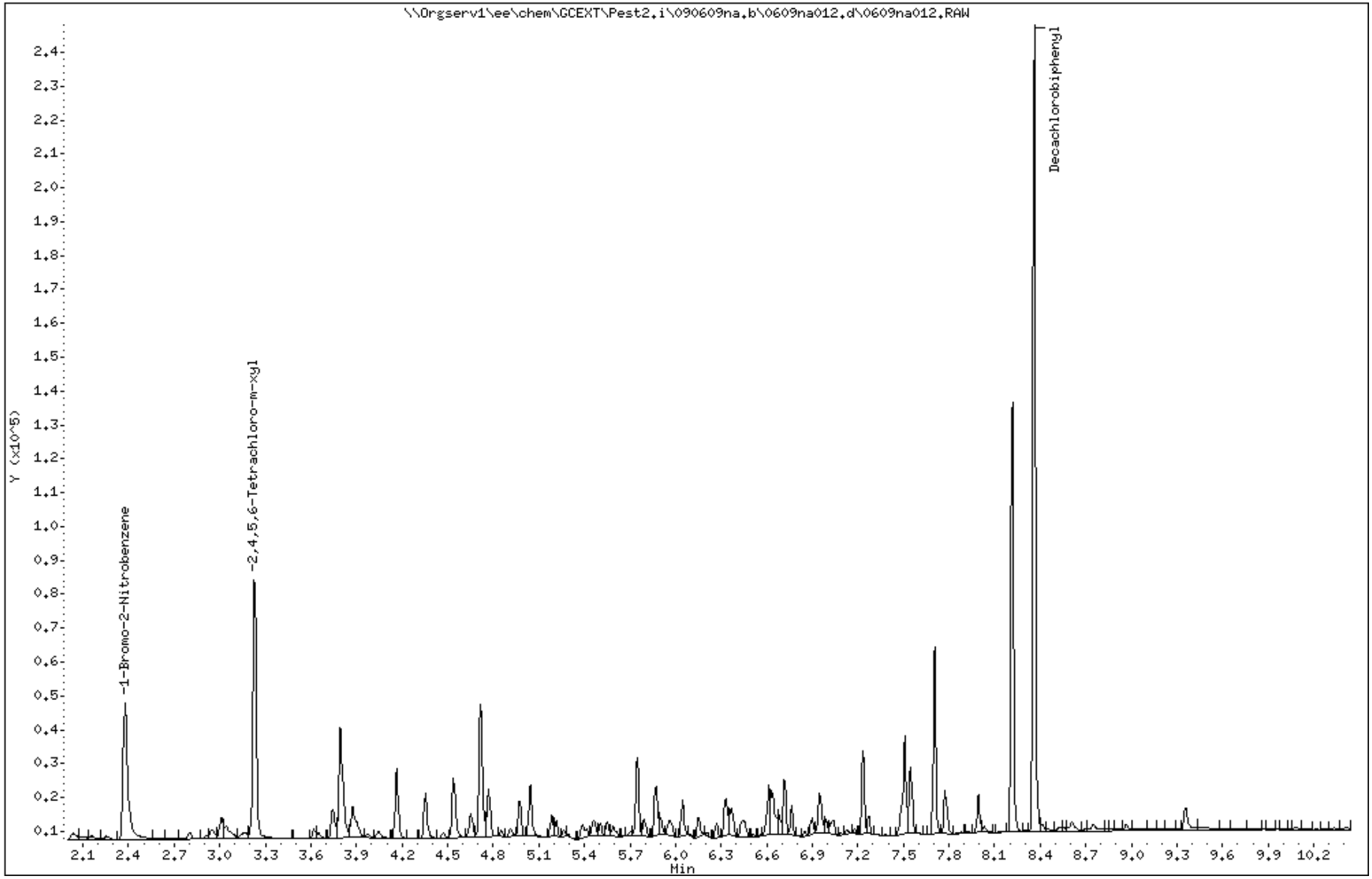
Instrument: pest2.i

Sample Info: 10907118-05,4

Operator: sh

Column phase: Rtx-1701

Column diameter: 0.32



Data File: \\Orgserv1\ee\chem\GCEXT\Pest2.i\090609nb.b\0609nb012.d

Date : 09-JUN-2009 20:40

Client ID:

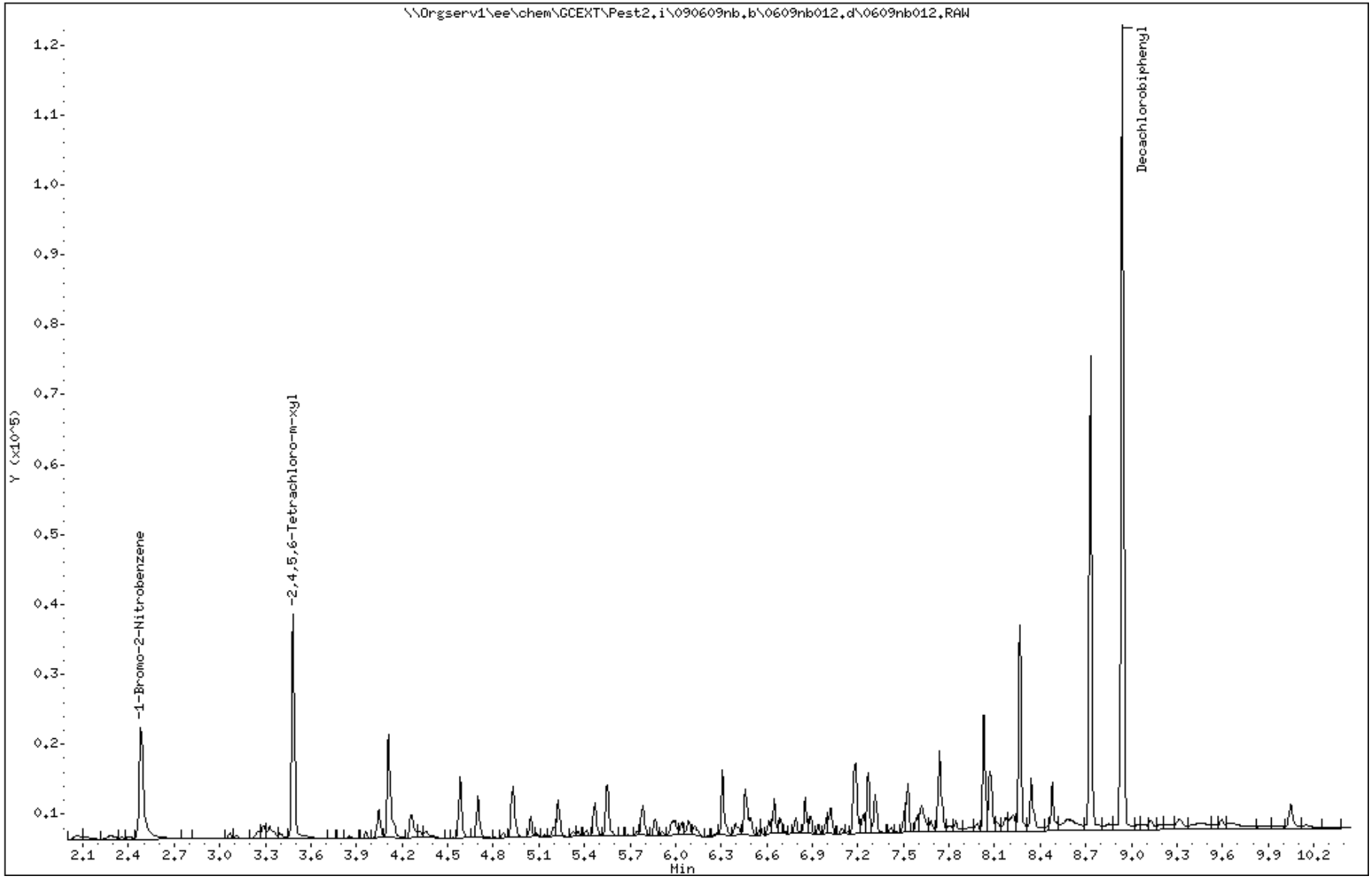
Instrument: pest2.i

Sample Info: 10907118-05,4

Operator: sh

Column phase: Rtx-5

Column diameter: 0.32



ANALYTICAL REPORT

Lab Number:	L0907461
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/23/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907461-01	B4-4-6	RIKERS ISLAND, NY	06/05/09 08:15
L0907461-02	B6-1-3	RIKERS ISLAND, NY	06/04/09 08:55
L0907461-03	B5-3-5	RIKERS ISLAND, NY	06/03/09 08:45

Project Name: RIKERS ISLAND **Lab Number:** L0907461
Project Number: 5817802 **Report Date:** 06/23/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission
This final report replaced the preliminary report issued June 22, 2009. The results for all request analysis are reported.
This is a partial report. A final report will be issued as soon as the results for all requested analyses become available.

Report Submission
The Herbicide analysis was canceled at the client's request.

Project Name: RIKERS ISLAND **Lab Number:** L0907461
Project Number: 5817802 **Report Date:** 06/23/09

Case Narrative (continued)

Metals

L0907461-01 and -02 have elevated detection limits for Thallium due to the dilutions required by matrix interferences encountered during analysis.

L0907461-03 has an elevated detection limit for Thallium due to the dilution required by non-target analyte spectral interferences encountered during analysis.

L0907461-03 has elevated detection limits for Zinc, Iron and Potassium due to the dilution required to quantitate the result within the calibration range.

The WG365965-4 MS recoveries associated with L0907461-03 are outside the acceptance criteria for Antimony (29%), Arsenic (62%), Barium (55%), Chromium (44%), Nickel (66%), Potassium (66%) and Thallium (62%). A post digestion spike was performed with acceptable recoveries of Antimony (97%), Arsenic (85%), Nickel (80%) and Thallium (93%). The post-digestion spike had unacceptable recoveries for Barium (63%) and Chromium (65%). This is attributed to the sample matrix.

The WG365965-4 MS recoveries for Aluminum (0%), Calcium (0%), Copper (2540%), Iron (0%), Lead (43%), Magnesium (0%) and Zinc (0%), associated with L0907461-03, are invalid because the sample concentrations are greater than four times the spike amount added.

The WG365965-3 Laboratory Duplicate RPD associated with L0907461-03 is outside the acceptance criteria for Copper (111%). The elevated RPD has been attributed to the non-homogenous nature of the sample utilized for the laboratory duplicate.

Mercury

L0907461-03 has an elevated detection limit for Mercury due to the analytical dilution required to quantitate the result within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 06/23/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/09/09 14:44		
Analyst:	PD		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	29	1
1,1-Dichloroethane	ND		ug/kg	4.4	1
Chloroform	ND		ug/kg	4.4	1
Carbon tetrachloride	ND		ug/kg	2.9	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	2.9	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1
Tetrachloroethene	ND		ug/kg	2.9	1
Chlorobenzene	ND		ug/kg	2.9	1
Trichlorofluoromethane	ND		ug/kg	15	1
1,2-Dichloroethane	ND		ug/kg	2.9	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	1
Bromodichloromethane	ND		ug/kg	2.9	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	1
1,1-Dichloropropene	ND		ug/kg	15	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	1
Benzene	ND		ug/kg	2.9	1
Toluene	ND		ug/kg	4.4	1
Ethylbenzene	ND		ug/kg	2.9	1
Chloromethane	ND		ug/kg	15	1
Bromomethane	ND		ug/kg	5.9	1
Vinyl chloride	ND		ug/kg	5.9	1
Chloroethane	ND		ug/kg	5.9	1
1,1-Dichloroethene	ND		ug/kg	2.9	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1
Trichloroethene	ND		ug/kg	2.9	1
1,2-Dichlorobenzene	ND		ug/kg	15	1
1,3-Dichlorobenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-01 Date Collected: 06/05/09 08:15

Client ID: B4-4-6 Date Received: 06/08/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	15	1
Methyl tert butyl ether	ND		ug/kg	5.9	1
p/m-Xylene	ND		ug/kg	5.9	1
o-Xylene	ND		ug/kg	5.9	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	1
Dibromomethane	ND		ug/kg	29	1
Styrene	ND		ug/kg	5.9	1
Dichlorodifluoromethane	ND		ug/kg	29	1
Acetone	ND		ug/kg	29	1
Carbon disulfide	ND		ug/kg	29	1
2-Butanone	ND		ug/kg	29	1
Vinyl acetate	ND		ug/kg	29	1
4-Methyl-2-pentanone	ND		ug/kg	29	1
1,2,3-Trichloropropane	ND		ug/kg	29	1
2-Hexanone	ND		ug/kg	29	1
Bromochloromethane	ND		ug/kg	15	1
2,2-Dichloropropane	ND		ug/kg	15	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	1
Bromobenzene	ND		ug/kg	15	1
n-Butylbenzene	ND		ug/kg	2.9	1
sec-Butylbenzene	ND		ug/kg	2.9	1
tert-Butylbenzene	ND		ug/kg	15	1
o-Chlorotoluene	ND		ug/kg	15	1
p-Chlorotoluene	ND		ug/kg	15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	15	1
Isopropylbenzene	ND		ug/kg	2.9	1
p-Isopropyltoluene	ND		ug/kg	2.9	1
Naphthalene	ND		ug/kg	15	1
Acrylonitrile	ND		ug/kg	29	1
n-Propylbenzene	ND		ug/kg	2.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	95		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/09/09 12:56		
Analyst:	PD		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	29	1
1,1-Dichloroethane	ND		ug/kg	4.3	1
Chloroform	ND		ug/kg	4.3	1
Carbon tetrachloride	ND		ug/kg	2.9	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	2.9	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1
Tetrachloroethene	ND		ug/kg	2.9	1
Chlorobenzene	ND		ug/kg	2.9	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.9	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	1
Bromodichloromethane	ND		ug/kg	2.9	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	1
Benzene	ND		ug/kg	2.9	1
Toluene	ND		ug/kg	4.3	1
Ethylbenzene	ND		ug/kg	2.9	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.7	1
Vinyl chloride	ND		ug/kg	5.7	1
Chloroethane	ND		ug/kg	5.7	1
1,1-Dichloroethene	ND		ug/kg	2.9	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1
Trichloroethene	ND		ug/kg	2.9	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-02 Date Collected: 06/04/09 08:55

Client ID: B6-1-3 Date Received: 06/08/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.7	1
p/m-Xylene	ND		ug/kg	5.7	1
o-Xylene	ND		ug/kg	5.7	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	1
Dibromomethane	ND		ug/kg	29	1
Styrene	ND		ug/kg	5.7	1
Dichlorodifluoromethane	ND		ug/kg	29	1
Acetone	ND		ug/kg	29	1
Carbon disulfide	ND		ug/kg	29	1
2-Butanone	ND		ug/kg	29	1
Vinyl acetate	ND		ug/kg	29	1
4-Methyl-2-pentanone	ND		ug/kg	29	1
1,2,3-Trichloropropane	ND		ug/kg	29	1
2-Hexanone	ND		ug/kg	29	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.9	1
sec-Butylbenzene	ND		ug/kg	2.9	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.9	1
p-Isopropyltoluene	ND		ug/kg	2.9	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	29	1
n-Propylbenzene	ND		ug/kg	2.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	88		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/09/09 13:32		
Analyst:	PD		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	29	1
1,1-Dichloroethane	ND		ug/kg	4.4	1
Chloroform	ND		ug/kg	4.4	1
Carbon tetrachloride	ND		ug/kg	2.9	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	2.9	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1
Tetrachloroethene	ND		ug/kg	2.9	1
Chlorobenzene	ND		ug/kg	2.9	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.9	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	1
Bromodichloromethane	ND		ug/kg	2.9	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	1
Benzene	ND		ug/kg	2.9	1
Toluene	ND		ug/kg	4.4	1
Ethylbenzene	ND		ug/kg	2.9	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.8	1
Vinyl chloride	ND		ug/kg	5.8	1
Chloroethane	ND		ug/kg	5.8	1
1,1-Dichloroethene	ND		ug/kg	2.9	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1
Trichloroethene	ND		ug/kg	2.9	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-03 Date Collected: 06/03/09 08:45

Client ID: B5-3-5 Date Received: 06/08/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.8	1
p/m-Xylene	ND		ug/kg	5.8	1
o-Xylene	ND		ug/kg	5.8	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	1
Dibromomethane	ND		ug/kg	29	1
Styrene	ND		ug/kg	5.8	1
Dichlorodifluoromethane	ND		ug/kg	29	1
Acetone	ND		ug/kg	29	1
Carbon disulfide	ND		ug/kg	29	1
2-Butanone	ND		ug/kg	29	1
Vinyl acetate	ND		ug/kg	29	1
4-Methyl-2-pentanone	ND		ug/kg	29	1
1,2,3-Trichloropropane	ND		ug/kg	29	1
2-Hexanone	ND		ug/kg	29	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.9	1
sec-Butylbenzene	ND		ug/kg	2.9	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.9	1
p-Isopropyltoluene	ND		ug/kg	2.9	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	29	1
n-Propylbenzene	ND		ug/kg	2.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/09/09 09:55
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG366188-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/09/09 09:55
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG366188-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/09/09 09:55
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG366188-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	74		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG366188-1 WG366188-2					
Chlorobenzene	106	101	60-133	5	30
Benzene	96	93	66-142	3	30
Toluene	99	95	59-139	4	30
1,1-Dichloroethene	90	86	59-172	5	30
Trichloroethene	95	93	62-137	2	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	94		94		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/12/09 14:23
Analytical Date:	06/13/09 13:26		
Analyst:	AK		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	390	1
Bis(2-chloroethyl)ether	ND		ug/kg	390	1
1,2-Dichlorobenzene	ND		ug/kg	390	1
1,3-Dichlorobenzene	ND		ug/kg	390	1
1,4-Dichlorobenzene	ND		ug/kg	390	1
3,3'-Dichlorobenzidine	ND		ug/kg	780	1
2,4-Dinitrotoluene	ND		ug/kg	390	1
2,6-Dinitrotoluene	ND		ug/kg	390	1
4-Chlorophenyl phenyl ether	ND		ug/kg	390	1
4-Bromophenyl phenyl ether	ND		ug/kg	390	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	390	1
Bis(2-chloroethoxy)methane	ND		ug/kg	390	1
Hexachlorocyclopentadiene	ND		ug/kg	780	1
Isophorone	ND		ug/kg	390	1
Nitrobenzene	ND		ug/kg	390	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	390	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	1
Butyl benzyl phthalate	ND		ug/kg	390	1
Di-n-butylphthalate	ND		ug/kg	390	1
Di-n-octylphthalate	ND		ug/kg	390	1
Diethyl phthalate	ND		ug/kg	390	1
Dimethyl phthalate	ND		ug/kg	390	1
Biphenyl	ND		ug/kg	390	1
4-Chloroaniline	ND		ug/kg	390	1
2-Nitroaniline	ND		ug/kg	390	1
3-Nitroaniline	ND		ug/kg	390	1
4-Nitroaniline	ND		ug/kg	550	1
Dibenzofuran	ND		ug/kg	390	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	390	1
P-Chloro-M-Cresol	ND		ug/kg	390	1
2-Chlorophenol	ND		ug/kg	470	1
2,4-Dichlorophenol	ND		ug/kg	780	1
2,4-Dimethylphenol	ND		ug/kg	390	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	780	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	550	1
2-Methylphenol	ND		ug/kg	470	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	470	1
2,4,5-Trichlorophenol	ND		ug/kg	390	1
Benzoic Acid	ND		ug/kg	3900	1
Benzyl Alcohol	ND		ug/kg	780	1
Carbazole	ND		ug/kg	390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	26		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	30		19-120
4-Terphenyl-d14	38		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/12/09 14:26
Analytical Date:	06/15/09 10:55		
Analyst:	HL		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	16	1
2-Chloronaphthalene	ND		ug/kg	16	1
Fluoranthene	140		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	39	1
Naphthalene	20		ug/kg	16	1
Benzo(a)anthracene	150		ug/kg	16	1
Benzo(a)pyrene	190		ug/kg	16	1
Benzo(b)fluoranthene	240		ug/kg	16	1
Benzo(k)fluoranthene	84		ug/kg	16	1
Chrysene	160		ug/kg	16	1
Acenaphthylene	ND		ug/kg	16	1
Anthracene	ND		ug/kg	16	1
Benzo(ghi)perylene	130		ug/kg	16	1
Fluorene	ND		ug/kg	16	1
Phenanthrene	66		ug/kg	16	1
Dibenzo(a,h)anthracene	39		ug/kg	16	1
Indeno(1,2,3-cd)Pyrene	100		ug/kg	16	1
Pyrene	180		ug/kg	16	1
2-Methylnaphthalene	28		ug/kg	16	1
Pentachlorophenol	ND		ug/kg	63	1
Hexachlorobenzene	ND		ug/kg	63	1
Hexachloroethane	ND		ug/kg	63	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	30		30-120
2,4,6-Tribromophenol	29		19-120
4-Terphenyl-d14	34		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/10/09 02:50
Analytical Date:	06/11/09 20:52		
Analyst:	HL		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	270		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	38	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	110		ug/kg	15	1
Benzo(a)pyrene	98		ug/kg	15	1
Benzo(b)fluoranthene	130		ug/kg	15	1
Benzo(k)fluoranthene	46		ug/kg	15	1
Chrysene	98		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	47		ug/kg	15	1
Benzo(ghi)perylene	62		ug/kg	15	1
Fluorene	18		ug/kg	15	1
Phenanthrene	220		ug/kg	15	1
Dibenzo(a,h)anthracene	19		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	48		ug/kg	15	1
Pyrene	240		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	61	1
Hexachlorobenzene	ND		ug/kg	61	1
Hexachloroethane	ND		ug/kg	61	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	38		30-120
2,4,6-Tribromophenol	37		19-120
4-Terphenyl-d14	51		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/10/09 02:50
Analytical Date:	06/12/09 10:17		
Analyst:	AK		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	770	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	770	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	770	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	770	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	770	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	770	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		25-120
Phenol-d6	36		10-120
Nitrobenzene-d5	38		23-120
2-Fluorobiphenyl	40		30-120
2,4,6-Tribromophenol	30		19-120
4-Terphenyl-d14	55		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/10/09 02:50
Analytical Date:	06/11/09 21:21		
Analyst:	HL		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	16	1
2-Chloronaphthalene	ND		ug/kg	16	1
Fluoranthene	57		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	39	1
Naphthalene	ND		ug/kg	16	1
Benzo(a)anthracene	54		ug/kg	16	1
Benzo(a)pyrene	70		ug/kg	16	1
Benzo(b)fluoranthene	100		ug/kg	16	1
Benzo(k)fluoranthene	36		ug/kg	16	1
Chrysene	59		ug/kg	16	1
Acenaphthylene	ND		ug/kg	16	1
Anthracene	ND		ug/kg	16	1
Benzo(ghi)perylene	62		ug/kg	16	1
Fluorene	ND		ug/kg	16	1
Phenanthrene	21		ug/kg	16	1
Dibenzo(a,h)anthracene	17		ug/kg	16	1
Indeno(1,2,3-cd)Pyrene	39		ug/kg	16	1
Pyrene	79		ug/kg	16	1
2-Methylnaphthalene	ND		ug/kg	16	1
Pentachlorophenol	ND		ug/kg	62	1
Hexachlorobenzene	ND		ug/kg	62	1
Hexachloroethane	ND		ug/kg	62	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	38		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	43		19-120
4-Terphenyl-d14	56		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/10/09 02:50
Analytical Date:	06/12/09 10:41		
Analyst:	AK		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	390	1
Bis(2-chloroethyl)ether	ND		ug/kg	390	1
1,2-Dichlorobenzene	ND		ug/kg	390	1
1,3-Dichlorobenzene	ND		ug/kg	390	1
1,4-Dichlorobenzene	ND		ug/kg	390	1
3,3'-Dichlorobenzidine	ND		ug/kg	780	1
2,4-Dinitrotoluene	ND		ug/kg	390	1
2,6-Dinitrotoluene	ND		ug/kg	390	1
4-Chlorophenyl phenyl ether	ND		ug/kg	390	1
4-Bromophenyl phenyl ether	ND		ug/kg	390	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	390	1
Bis(2-chloroethoxy)methane	ND		ug/kg	390	1
Hexachlorocyclopentadiene	ND		ug/kg	780	1
Isophorone	ND		ug/kg	390	1
Nitrobenzene	ND		ug/kg	390	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	390	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	1
Butyl benzyl phthalate	ND		ug/kg	390	1
Di-n-butylphthalate	ND		ug/kg	390	1
Di-n-octylphthalate	ND		ug/kg	390	1
Diethyl phthalate	ND		ug/kg	390	1
Dimethyl phthalate	ND		ug/kg	390	1
Biphenyl	ND		ug/kg	390	1
4-Chloroaniline	ND		ug/kg	390	1
2-Nitroaniline	ND		ug/kg	390	1
3-Nitroaniline	ND		ug/kg	390	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	390	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	390	1
P-Chloro-M-Cresol	ND		ug/kg	390	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	780	1
2,4-Dimethylphenol	ND		ug/kg	390	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	780	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	390	1
Benzoic Acid	ND		ug/kg	3900	1
Benzyl Alcohol	ND		ug/kg	780	1
Carbazole	ND		ug/kg	390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	32		19-120
4-Terphenyl-d14	50		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/10/09 13:16
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/10/09 02:50

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG366092-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/10/09 13:16
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/10/09 02:50

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG366092-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	39		19-120
4-Terphenyl-d14	41		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/10/09 18:34
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/10/09 02:50

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-03 Batch: WG366097-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/10/09 18:34
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/10/09 02:50

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-03 Batch: WG366097-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	51		19-120
4-Terphenyl-d14	49		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/13/09 12:15
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/12/09 14:23

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG366626-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/13/09 12:15
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/12/09 14:23

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG366626-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	26		23-120
2-Fluorobiphenyl	35		30-120
2,4,6-Tribromophenol	25		19-120
4-Terphenyl-d14	38		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/13/09 17:37
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/12/09 14:27

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG366630-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/13/09 17:37
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/12/09 14:27

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG366630-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	30		19-120
4-Terphenyl-d14	40		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG366092-2 WG366092-3					
1,2,4-Trichlorobenzene	56	51	38-107	9	50
1,2-Dichlorobenzene	62	53	40-140	16	50
1,4-Dichlorobenzene	60	52	28-104	14	50
2,4-Dinitrotoluene	52	45	28-89	14	50
2,6-Dinitrotoluene	52	44	40-140	17	50
4-Chlorophenyl phenyl ether	62	52	40-140	18	50
n-Nitrosodi-n-propylamine	63	55	41-126	14	50
Butyl benzyl phthalate	62	52	40-140	18	50
P-Chloro-M-Cresol	66	56	26-103	16	50
2-Chlorophenol	62	55	25-102	12	50
2-Nitrophenol	49	44	30-130	11	50
4-Nitrophenol	49	44	11-114	11	50
2,4-Dinitrophenol	11	11	4-130	0	50
Phenol	64	55	26-90	15	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG366092-2 WG366092-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		68		25-120
Phenol-d6	71		68		10-120
Nitrobenzene-d5	65		62		23-120
2-Fluorobiphenyl	59		58		30-120
2,4,6-Tribromophenol	60		55		19-120
4-Terphenyl-d14	60		56		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-03 Batch: WG366097-2 WG366097-3

Acenaphthene	42	49	31-137	15	50
2-Chloronaphthalene	47	56	40-140	17	50
Fluoranthene	53	59	40-140	11	50
Anthracene	47	55	40-140	16	50
Pyrene	53	59	35-142	11	50
Pentachlorophenol	26	32	17-109	21	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-03 Batch: WG366097-2 WG366097-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		65		25-120
Phenol-d6	50		60		10-120
Nitrobenzene-d5	51		62		23-120
2-Fluorobiphenyl	45		58		30-120
2,4,6-Tribromophenol	51		72		19-120
4-Terphenyl-d14	53		63		18-120

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG366626-2 WG366626-3

1,2,4-Trichlorobenzene	64	49	38-107	27	50
1,2-Dichlorobenzene	65	50	40-140	26	50
1,4-Dichlorobenzene	64	48	28-104	29	50
2,4-Dinitrotoluene	74	57	28-89	26	50
2,6-Dinitrotoluene	60	46	40-140	26	50
4-Chlorophenyl phenyl ether	75	58	40-140	26	50
n-Nitrosodi-n-propylamine	65	48	41-126	30	50
Butyl benzyl phthalate	78	63	40-140	21	50
P-Chloro-M-Cresol	74	57	26-103	26	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907461

Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG366626-2 WG366626-3					
2-Chlorophenol	70	52	25-102	30	50
2-Nitrophenol	57	46	30-130	21	50
4-Nitrophenol	60	50	11-114	18	50
2,4-Dinitrophenol	35	30	4-130	15	50
Pentachlorophenol	67	49	17-109	31	50
Phenol	69	50	26-90	32	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		51		25-120
Phenol-d6	70		50		10-120
Nitrobenzene-d5	56		41		23-120
2-Fluorobiphenyl	72		53		30-120
2,4,6-Tribromophenol	78		59		19-120
4-Terphenyl-d14	75		60		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG366630-2 WG366630-3					
Acenaphthene	67	45	31-137	39	50
2-Chloronaphthalene	77	54	40-140	35	50
Fluoranthene	81	56	40-140	36	50
Anthracene	75	51	40-140	38	50
Pyrene	80	58	35-142	32	50
Pentachlorophenol	31	31	17-109	0	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		54		25-120
Phenol-d6	68		49		10-120
Nitrobenzene-d5	68		50		23-120
2-Fluorobiphenyl	61		48		30-120
2,4,6-Tribromophenol	81		55		19-120
4-Terphenyl-d14	76		55		18-120

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/09/09 09:10
Analytical Date:	06/13/09 02:12	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	06/09/09
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	39.2	1
Aroclor 1221	ND		ug/kg	39.2	1
Aroclor 1232	ND		ug/kg	39.2	1
Aroclor 1242	ND		ug/kg	39.2	1
Aroclor 1248	ND		ug/kg	39.2	1
Aroclor 1254	ND		ug/kg	39.2	1
Aroclor 1260	ND		ug/kg	39.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/09/09 09:10
Analytical Date:	06/13/09 02:26	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	06/09/09
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.3	1
Aroclor 1221	ND		ug/kg	38.3	1
Aroclor 1232	ND		ug/kg	38.3	1
Aroclor 1242	ND		ug/kg	38.3	1
Aroclor 1248	ND		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	38.3	1
Aroclor 1260	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/09/09 09:10
Analytical Date:	06/13/09 02:40	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	06/09/09
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.8	1
Aroclor 1221	ND		ug/kg	38.8	1
Aroclor 1232	ND		ug/kg	38.8	1
Aroclor 1242	ND		ug/kg	38.8	1
Aroclor 1248	ND		ug/kg	38.8	1
Aroclor 1254	ND		ug/kg	38.8	1
Aroclor 1260	ND		ug/kg	38.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/09/09 19:46
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 06/09/09 09:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/09/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG365879-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG365879-2 WG365879-3					
Aroclor 1016	84	81	40-140	4	30
Aroclor 1260	92	91	40-140	1	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		66		30-150	A
Decachlorobiphenyl	90		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		71		30-150	B
Decachlorobiphenyl	119		115		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-01	Date Collected:	06/05/09 08:15
Client ID:	B4-4-6	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/10/09 02:40
Analytical Date:	06/15/09 11:05	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/15/09
Percent Solids:	85%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.92	1
Lindane	ND		ug/kg	3.92	1
Alpha-BHC	ND		ug/kg	3.92	1
Beta-BHC	ND		ug/kg	3.92	1
Heptachlor	ND		ug/kg	3.92	1
Aldrin	ND		ug/kg	3.92	1
Heptachlor epoxide	ND		ug/kg	3.92	1
Endrin	ND		ug/kg	3.92	1
Endrin ketone	ND		ug/kg	3.92	1
Dieldrin	ND		ug/kg	3.92	1
4,4'-DDE	ND		ug/kg	3.92	1
4,4'-DDD	ND		ug/kg	3.92	1
4,4'-DDT	ND		ug/kg	3.92	1
Endosulfan I	ND		ug/kg	3.92	1
Endosulfan II	ND		ug/kg	3.92	1
Endosulfan sulfate	ND		ug/kg	3.92	1
Methoxychlor	ND		ug/kg	15.7	1
trans-Chlordane	ND		ug/kg	3.92	1
Chlordane	ND		ug/kg	39.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-02	Date Collected:	06/04/09 08:55
Client ID:	B6-1-3	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/10/09 02:40
Analytical Date:	06/15/09 11:18	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/15/09
Percent Solids:	87%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.83	1
Lindane	ND		ug/kg	3.83	1
Alpha-BHC	ND		ug/kg	3.83	1
Beta-BHC	ND		ug/kg	3.83	1
Heptachlor	ND		ug/kg	3.83	1
Aldrin	ND		ug/kg	3.83	1
Heptachlor epoxide	ND		ug/kg	3.83	1
Endrin	ND		ug/kg	3.83	1
Endrin ketone	ND		ug/kg	3.83	1
Dieldrin	ND		ug/kg	3.83	1
4,4'-DDE	ND		ug/kg	3.83	1
4,4'-DDD	ND		ug/kg	3.83	1
4,4'-DDT	ND		ug/kg	3.83	1
Endosulfan I	ND		ug/kg	3.83	1
Endosulfan II	ND		ug/kg	3.83	1
Endosulfan sulfate	ND		ug/kg	3.83	1
Methoxychlor	ND		ug/kg	15.3	1
trans-Chlordane	ND		ug/kg	3.83	1
Chlordane	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907461-03	Date Collected:	06/03/09 08:45
Client ID:	B5-3-5	Date Received:	06/08/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/10/09 02:40
Analytical Date:	06/15/09 11:31	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/15/09
Percent Solids:	86%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.88	1
Lindane	ND		ug/kg	3.88	1
Alpha-BHC	ND		ug/kg	3.88	1
Beta-BHC	ND		ug/kg	3.88	1
Heptachlor	ND		ug/kg	3.88	1
Aldrin	ND		ug/kg	3.88	1
Heptachlor epoxide	ND		ug/kg	3.88	1
Endrin	ND		ug/kg	3.88	1
Endrin ketone	ND		ug/kg	3.88	1
Dieldrin	ND		ug/kg	3.88	1
4,4'-DDE	ND		ug/kg	3.88	1
4,4'-DDD	ND		ug/kg	3.88	1
4,4'-DDT	ND		ug/kg	3.88	1
Endosulfan I	ND		ug/kg	3.88	1
Endosulfan II	ND		ug/kg	3.88	1
Endosulfan sulfate	ND		ug/kg	3.88	1
Methoxychlor	ND		ug/kg	15.5	1
trans-Chlordane	ND		ug/kg	3.88	1
Chlordane	ND		ug/kg	38.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/15/09 10:25
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/10/09 02:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/15/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG366090-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	55		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG366090-2 WG366090-3					
Delta-BHC	75	82	30-150	9	30
Lindane	67	75	30-150	11	30
Alpha-BHC	65	74	30-150	13	30
Beta-BHC	71	75	30-150	5	30
Heptachlor	63	70	30-150	11	30
Aldrin	70	79	30-150	12	30
Heptachlor epoxide	80	87	30-150	8	30
Endrin	73	80	30-150	9	30
Endrin ketone	73	80	30-150	9	30
Dieldrin	78	86	30-150	10	30
4,4'-DDE	80	86	30-150	7	30
4,4'-DDD	81	86	30-150	6	30
4,4'-DDT	68	69	30-150	1	30
Endosulfan I	78	82	30-150	5	30
Endosulfan II	76	82	30-150	8	30
Endosulfan sulfate	68	77	30-150	12	30
Methoxychlor	60	67	30-150	11	30
trans-Chlordane	72	77	30-150	7	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG366090-2 WG366090-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		73		30-150	A
Decachlorobiphenyl	87		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		65		30-150	B
Decachlorobiphenyl	52		61		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-01 Date Collected: 06/05/09 08:15

Client ID: B4-4-6 Date Received: 06/08/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	12000		mg/kg	4.7	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Arsenic, Total	3.4		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Barium, Total	82		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Beryllium, Total	0.73		mg/kg	0.23	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Cadmium, Total	0.48		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Calcium, Total	1100		mg/kg	4.7	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Chromium, Total	26		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Cobalt, Total	7.8		mg/kg	0.93	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Copper, Total	33		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Iron, Total	17000		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Lead, Total	68		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Magnesium, Total	3100		mg/kg	4.7	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Manganese, Total	360		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Mercury, Total	0.90		mg/kg	0.09	1	06/09/09 19:00	06/10/09 12:26	EPA 7471A	1,7471A	EZ
Nickel, Total	16		mg/kg	1.2	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Potassium, Total	2400		mg/kg	120	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.93	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Sodium, Total	320		mg/kg	93	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	4.7	5	06/09/09 14:30	06/15/09 13:52	EPA 3050B	1,6010B	MG
Vanadium, Total	29		mg/kg	0.47	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG
Zinc, Total	72		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:06	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-02 Date Collected: 06/04/09 08:55

Client ID: B6-1-3 Date Received: 06/08/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	11000		mg/kg	4.6	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Arsenic, Total	3.8		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Barium, Total	50		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Beryllium, Total	0.51		mg/kg	0.23	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Calcium, Total	1600		mg/kg	4.6	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Chromium, Total	17		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Cobalt, Total	5.7		mg/kg	0.93	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Copper, Total	20		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Iron, Total	13000		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Lead, Total	86		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Magnesium, Total	2400		mg/kg	4.6	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Manganese, Total	250		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Mercury, Total	0.25		mg/kg	0.09	1	06/09/09 19:00	06/10/09 12:28	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.2	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Potassium, Total	790		mg/kg	120	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.93	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Sodium, Total	470		mg/kg	93	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	4.6	5	06/09/09 14:30	06/15/09 13:55	EPA 3050B	1,6010B	MG
Vanadium, Total	19		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG
Zinc, Total	72		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:09	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-03 Date Collected: 06/03/09 08:45

Client ID: B5-3-5 Date Received: 06/08/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	8500		mg/kg	4.6	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Arsenic, Total	7.6		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Barium, Total	190		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Beryllium, Total	0.64		mg/kg	0.23	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Cadmium, Total	1.0		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Calcium, Total	5200		mg/kg	4.6	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Chromium, Total	25		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Cobalt, Total	7.1		mg/kg	0.91	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Copper, Total	160		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Iron, Total	34000		mg/kg	11	5	06/09/09 14:30	06/12/09 13:37	EPA 3050B	1,6010B	MG
Lead, Total	370		mg/kg	2.3	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Magnesium, Total	3900		mg/kg	4.6	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Manganese, Total	310		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Mercury, Total	2.5		mg/kg	0.18	2	06/09/09 19:00	06/10/09 13:16	EPA 7471A	1,7471A	EZ
Nickel, Total	19		mg/kg	1.1	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Potassium, Total	2000		mg/kg	570	5	06/09/09 14:30	06/12/09 13:37	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.91	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Sodium, Total	520		mg/kg	91	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	4.6	5	06/09/09 14:30	06/12/09 13:37	EPA 3050B	1,6010B	MG
Vanadium, Total	26		mg/kg	0.46	1	06/09/09 14:30	06/11/09 15:57	EPA 3050B	1,6010B	MG
Zinc, Total	640		mg/kg	11	5	06/09/09 14:30	06/12/09 13:37	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907461

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG365965-1									
Aluminum, Total	ND		mg/kg	4.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Calcium, Total	ND		mg/kg	4.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Sodium, Total	ND		mg/kg	80	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	1	06/09/09 14:30	06/11/09 15:01	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG366037-1									
Mercury, Total	ND		mg/kg	0.08	1	06/09/09 19:00	06/10/09 12:05	1,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG365965-2					
Aluminum, Total	96	-	75-125	-	
Antimony, Total	99	-	75-125	-	
Arsenic, Total	99	-	75-125	-	
Barium, Total	94	-	75-125	-	
Beryllium, Total	99	-	75-125	-	
Cadmium, Total	102	-	75-125	-	
Calcium, Total	94	-	75-125	-	
Chromium, Total	99	-	75-125	-	
Cobalt, Total	99	-	75-125	-	
Copper, Total	96	-	75-125	-	
Lead, Total	102	-	75-125	-	
Magnesium, Total	99	-	75-125	-	
Manganese, Total	99	-	75-125	-	
Nickel, Total	94	-	75-125	-	
Selenium, Total	99	-	75-125	-	
Silver, Total	107	-	75-125	-	
Sodium, Total	99	-	75-125	-	
Thallium, Total	95	-	75-125	-	
Vanadium, Total	99	-	75-125	-	
Zinc, Total	99	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG366037-2					
Mercury, Total	112	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG365965-4 QC Sample: L0907461-03 Client ID: B5-3-5									
Aluminum, Total	8500	91.3	8000	**0**	-	-	75-125	-	35
Antimony, Total	ND	22.8	6.6	**29**	-	-	75-125	-	35
Arsenic, Total	7.6	5.48	11	**62**	-	-	75-125	-	35
Barium, Total	190	91.3	240	**55**	-	-	75-125	-	35
Beryllium, Total	0.64	2.28	2.6	86	-	-	75-125	-	35
Cadmium, Total	1.0	2.33	2.9	82	-	-	75-125	-	35
Calcium, Total	5200	456	4700	**0**	-	-	75-125	-	35
Chromium, Total	25	9.13	29	**44**	-	-	75-125	-	35
Cobalt, Total	7.1	22.8	27	87	-	-	75-125	-	35
Copper, Total	160	11.4	450	**2540**	-	-	75-125	-	35
Iron, Total	34000	45.6	24000	**0**	-	-	75-125	-	35
Lead, Total	370	23.3	380	**43**	-	-	75-125	-	35
Magnesium, Total	3900	456	3300	**0**	-	-	75-125	-	35
Manganese, Total	310	22.8	330	88	-	-	75-125	-	35
Nickel, Total	19	22.8	34	**66**	-	-	75-125	-	35
Potassium, Total	2000	456	2300	**66**	-	-	75-125	-	35
Selenium, Total	ND	5.48	4.6	84	-	-	75-125	-	35
Silver, Total	ND	13.7	14	102	-	-	75-125	-	35
Sodium, Total	520	456	910	85	-	-	75-125	-	35
Thallium, Total	ND	5.48	4.4J	80	-	-	75-125	-	35
Vanadium, Total	26	22.8	44	79	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG365965-4 QC Sample: L0907461-03 Client ID: B5-3-5									
Zinc, Total	640	22.8	420	**0**	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG366037-4 QC Sample: L0907201-01 Client ID: MS Sample									
Mercury, Total	ND	0.17	0.21	124	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG365965-3 QC Sample: L0907461-03 Client ID: B5-3-5					
Aluminum, Total	8500	7200	mg/kg	17	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	7.6	6.8	mg/kg	11	35
Barium, Total	190	170	mg/kg	11	35
Beryllium, Total	0.64	0.57	mg/kg	12	35
Cadmium, Total	1.0	1.1	mg/kg	10	35
Calcium, Total	5200	4400	mg/kg	17	35
Chromium, Total	25	20	mg/kg	22	35
Cobalt, Total	7.1	6.5	mg/kg	9	35
Copper, Total	160	560	mg/kg	**111**	35
Lead, Total	370	450	mg/kg	20	35
Magnesium, Total	3900	3100	mg/kg	23	35
Manganese, Total	310	340	mg/kg	9	35
Nickel, Total	19	16	mg/kg	17	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	0.69	mg/kg	NC	35
Sodium, Total	520	530	mg/kg	2	35
Vanadium, Total	26	24	mg/kg	8	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG365965-3 QC Sample: L0907461-03 Client ID: B5-3-5					
Iron, Total	34000	36000	mg/kg	6	35
Potassium, Total	2000	1600	mg/kg	22	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	640	470	mg/kg	31	35
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG366037-3 QC Sample: L0907201-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-01
Client ID: B4-4-6
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/05/09 08:15
Date Received: 06/08/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	85		%	0.10	1	-	06/10/09 10:50	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-02
Client ID: B6-1-3
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/04/09 08:55
Date Received: 06/08/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	06/10/09 10:50	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

SAMPLE RESULTS

Lab ID: L0907461-03
Client ID: B5-3-5
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/03/09 08:45
Date Received: 06/08/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	86		%	0.10	1	-	06/10/09 10:50	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG366152-1 QC Sample: L0907201-01 Client ID: DUP Sample					
Solids, Total	90	90	%	0	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907461
Report Date: 06/23/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907461-01A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907461-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14)
L0907461-01C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907461-02A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907461-02B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14)
L0907461-02C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907461-03A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907461-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14)
L0907461-03C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907461
Project Number:	5817802	**Report Date:**	06/23/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907461
Project Number: 5817802 **Report Date:** 06/23/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06230920:17

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab: 6/8/09

ALPHA Job #: L0907461

Client Information

Client: Langan Engineering

Address: 300 W. 31st Street, 8th Flr New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/15/09 Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals					Sample Specific Comments	Total # Bottles
07461.1	B4-4-6	6/5/09	815AM	S	DP	X	X	X	X	X	X					3 jars	
2	B6-1-3	6/4/09	855AM	S	DP	X	X	X	X	X	X					3 jars	
3	B5-3-5	6/3/09	845AM	S	DP	X	X	X	X	X	X					3 jars	
Container Type						A	A	A	A	A	A						
Preservative																	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/8/09 11:20	[illegible]	6/8/09 11:20
[illegible]	6/8/09 15:55	[illegible]	6/8/09 15:55
[illegible]	6/8/09 21:00	[illegible]	6/8/09 21:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0907895
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/23/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907895-01	B8(OW)-3-5	RIKERS ISLAND, NY	06/09/09 09:15
L0907895-02	B7(OW)-2-4	RIKERS ISLAND, NY	06/10/09 08:45
L0907895-03	B10-5-7	RIKERS ISLAND, NY	06/12/09 08:55

Project Name: RIKERS ISLAND **Lab Number:** L0907895
Project Number: 5817802 **Report Date:** 06/23/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics-SIM

The surrogate recovery for WG367336-1 Method Blank associated with L0907895-01 through -03 is outside the individual acceptance criteria for 2-Fluorobiphenyl (28%), but within the overall method allowances. The results of the original analysis are reported. The surrogate recoveries for the WG367336-3 LCSD associated with L0907895-01 through -03 are below the acceptance criteria for 2-Fluorophenol (9%), Phenol-d6 (9%), Nitrobenzene-d5 (10%), 2-Fluorobiphenyl (10%) and 4-Terphenyl-d14 (12%). The LCSD spike compounds are within overall method allowances; therefore, no further action was taken.

Project Name: RIKERS ISLAND **Lab Number:** L0907895
Project Number: 5817802 **Report Date:** 06/23/09

Case Narrative (continued)

PCB

The surrogate recoveries for L0907895-01 are above the acceptance criteria for Decachlorobiphenyl (181%/235%); however, the sample was not re-extracted due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report.

Pesticides

The surrogate recovery for L0907895-02 is outside the individual acceptance criteria for Decachlorobiphenyl (29%), but within the overall method allowances. The results of the original analysis are reported.

Metals, Total

L0907895-01 has elevated detection limits for Iron and Zinc due to the dilutions required to quantitate the result within the calibration range.

L0907895-01 through -03 have elevated detection limits for Thallium due to the dilutions required by matrix interferences encountered during analysis.

The WG367065-1 Method Blank, associated with L0907895-01 through -03, has a concentration above the reporting limit for Calcium and Iron. Since the associated samples concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required. The results of the original analyses are reported.

The WG367065-4 MS recoveries for Aluminum (306%), Calcium (1220%), Copper (45600%), Barium (0%), Iron (0%), Lead (0%), Manganese (0%) and Zinc (3260%), associated with L0907895-01, are invalid because the sample concentration is greater than four times the spike amount added.

The WG367065-4 MS recoveries associated with L0907895-01 are outside the acceptance criteria for Antimony (30%), Beryllium (73%), Cadmium (44%), Chromium (0%), Cobalt (64%), Nickel (65%), Thallium (0%) and Vanadium (65%). A post digestion spike was performed with acceptable recoveries of Antimony (110%), Beryllium (115%), Cadmium (119%), Chromium (104%), Colbalt (103%), Nickel (115%), Thallium (123%) and Vanadium (109%).

The WG367065-4 MS recovery associated with L0907895-01 is below the acceptance criteria for Arsenic

Project Name: RIKERS ISLAND **Lab Number:** L0907895
Project Number: 5817802 **Report Date:** 06/23/09

Case Narrative (continued)

(0%). A post-digestion spike was performed with an unacceptable recovery of 146%. This is attributed to the sample matrix.
The WG367065-3 Laboratory Duplicate RPDs associated with L0907895-01are outside the acceptance criteria for Calcium (80%), Lead (48%) and Magnesium (139%). The elevated RPDs have been attributed to the non-homogenous nature of the sample utilized for the laboratory duplicate.

Mercury
L0907895-01 has an elevated detection limit for Mercury due to the dilution required to quantitate the result within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 06/23/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/19/09 14:27		
Analyst:	PD		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	32	1
1,1-Dichloroethane	ND		ug/kg	4.9	1
Chloroform	ND		ug/kg	4.9	1
Carbon tetrachloride	ND		ug/kg	3.2	1
1,2-Dichloropropane	ND		ug/kg	11	1
Dibromochloromethane	ND		ug/kg	3.2	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1
Tetrachloroethene	ND		ug/kg	3.2	1
Chlorobenzene	ND		ug/kg	3.2	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.2	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	1
Bromodichloromethane	ND		ug/kg	3.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	13	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	1
Benzene	ND		ug/kg	3.2	1
Toluene	ND		ug/kg	4.9	1
Ethylbenzene	ND		ug/kg	3.2	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.5	1
Vinyl chloride	ND		ug/kg	6.5	1
Chloroethane	ND		ug/kg	6.5	1
1,1-Dichloroethene	ND		ug/kg	3.2	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1
Trichloroethene	ND		ug/kg	3.2	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.5	1
p/m-Xylene	ND		ug/kg	6.5	1
o-Xylene	ND		ug/kg	6.5	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	1
Dibromomethane	ND		ug/kg	32	1
Styrene	ND		ug/kg	6.5	1
Dichlorodifluoromethane	ND		ug/kg	32	1
Acetone	ND		ug/kg	32	1
Carbon disulfide	ND		ug/kg	32	1
2-Butanone	ND		ug/kg	32	1
Vinyl acetate	ND		ug/kg	32	1
4-Methyl-2-pentanone	ND		ug/kg	32	1
1,2,3-Trichloropropane	ND		ug/kg	32	1
2-Hexanone	ND		ug/kg	32	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	13	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.2	1
sec-Butylbenzene	ND		ug/kg	3.2	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.2	1
p-Isopropyltoluene	ND		ug/kg	3.2	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	32	1
n-Propylbenzene	ND		ug/kg	3.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	13	1
4-Ethyltoluene	ND		ug/kg	13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	85		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/19/09 15:04		
Analyst:	PD		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	29	1
1,1-Dichloroethane	ND		ug/kg	4.3	1
Chloroform	ND		ug/kg	4.3	1
Carbon tetrachloride	ND		ug/kg	2.9	1
1,2-Dichloropropane	ND		ug/kg	10	1
Dibromochloromethane	ND		ug/kg	2.9	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1
Tetrachloroethene	ND		ug/kg	2.9	1
Chlorobenzene	ND		ug/kg	2.9	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.9	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	1
Bromodichloromethane	ND		ug/kg	2.9	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	1
Benzene	ND		ug/kg	2.9	1
Toluene	ND		ug/kg	4.3	1
Ethylbenzene	ND		ug/kg	2.9	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.7	1
Vinyl chloride	ND		ug/kg	5.7	1
Chloroethane	ND		ug/kg	5.7	1
1,1-Dichloroethene	ND		ug/kg	2.9	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1
Trichloroethene	ND		ug/kg	2.9	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.7	1
p/m-Xylene	ND		ug/kg	5.7	1
o-Xylene	ND		ug/kg	5.7	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	1
Dibromomethane	ND		ug/kg	29	1
Styrene	ND		ug/kg	5.7	1
Dichlorodifluoromethane	ND		ug/kg	29	1
Acetone	ND		ug/kg	29	1
Carbon disulfide	ND		ug/kg	29	1
2-Butanone	ND		ug/kg	29	1
Vinyl acetate	ND		ug/kg	29	1
4-Methyl-2-pentanone	ND		ug/kg	29	1
1,2,3-Trichloropropane	ND		ug/kg	29	1
2-Hexanone	ND		ug/kg	29	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	ND		ug/kg	2.9	1
sec-Butylbenzene	ND		ug/kg	2.9	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	ND		ug/kg	2.9	1
p-Isopropyltoluene	ND		ug/kg	2.9	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	29	1
n-Propylbenzene	ND		ug/kg	2.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	86		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/19/09 15:40		
Analyst:	PD		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
Methylene chloride	ND		ug/kg	31	1
1,1-Dichloroethane	ND		ug/kg	4.7	1
Chloroform	ND		ug/kg	4.7	1
Carbon tetrachloride	ND		ug/kg	3.1	1
1,2-Dichloropropane	ND		ug/kg	11	1
Dibromochloromethane	ND		ug/kg	3.1	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1
Tetrachloroethene	ND		ug/kg	3.1	1
Chlorobenzene	ND		ug/kg	3.1	1
Trichlorofluoromethane	ND		ug/kg	16	1
1,2-Dichloroethane	ND		ug/kg	3.1	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	1
Bromodichloromethane	ND		ug/kg	3.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	1
1,1-Dichloropropene	ND		ug/kg	16	1
Bromoform	ND		ug/kg	12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	1
Benzene	ND		ug/kg	3.1	1
Toluene	ND		ug/kg	4.7	1
Ethylbenzene	ND		ug/kg	3.1	1
Chloromethane	ND		ug/kg	16	1
Bromomethane	ND		ug/kg	6.2	1
Vinyl chloride	ND		ug/kg	6.2	1
Chloroethane	ND		ug/kg	6.2	1
1,1-Dichloroethene	ND		ug/kg	3.1	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1
Trichloroethene	ND		ug/kg	3.1	1
1,2-Dichlorobenzene	ND		ug/kg	16	1
1,3-Dichlorobenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	16	1
Methyl tert butyl ether	ND		ug/kg	6.2	1
p/m-Xylene	ND		ug/kg	6.2	1
o-Xylene	ND		ug/kg	6.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	1
Dibromomethane	ND		ug/kg	31	1
Styrene	ND		ug/kg	6.2	1
Dichlorodifluoromethane	ND		ug/kg	31	1
Acetone	ND		ug/kg	31	1
Carbon disulfide	ND		ug/kg	31	1
2-Butanone	ND		ug/kg	31	1
Vinyl acetate	ND		ug/kg	31	1
4-Methyl-2-pentanone	ND		ug/kg	31	1
1,2,3-Trichloropropane	ND		ug/kg	31	1
2-Hexanone	ND		ug/kg	31	1
Bromochloromethane	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	16	1
1,2-Dibromoethane	ND		ug/kg	12	1
1,3-Dichloropropane	ND		ug/kg	16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1
Bromobenzene	ND		ug/kg	16	1
n-Butylbenzene	ND		ug/kg	3.1	1
sec-Butylbenzene	ND		ug/kg	3.1	1
tert-Butylbenzene	ND		ug/kg	16	1
o-Chlorotoluene	ND		ug/kg	16	1
p-Chlorotoluene	ND		ug/kg	16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	1
Hexachlorobutadiene	ND		ug/kg	16	1
Isopropylbenzene	ND		ug/kg	3.1	1
p-Isopropyltoluene	ND		ug/kg	3.1	1
Naphthalene	ND		ug/kg	16	1
Acrylonitrile	ND		ug/kg	31	1
n-Propylbenzene	ND		ug/kg	3.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	12	1
4-Ethyltoluene	ND		ug/kg	12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	1
Ethyl ether	ND		ug/kg	16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	91		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/19/09 12:35
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG367596-3				
Methylene chloride	ND		ug/kg	25
1,1-Dichloroethane	ND		ug/kg	3.8
Chloroform	ND		ug/kg	3.8
Carbon tetrachloride	ND		ug/kg	2.5
1,2-Dichloropropane	ND		ug/kg	8.8
Dibromochloromethane	ND		ug/kg	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8
Tetrachloroethene	ND		ug/kg	2.5
Chlorobenzene	ND		ug/kg	2.5
Trichlorofluoromethane	ND		ug/kg	12
1,2-Dichloroethane	ND		ug/kg	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.5
Bromodichloromethane	ND		ug/kg	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.5
1,1-Dichloropropene	ND		ug/kg	12
Bromoform	ND		ug/kg	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5
Benzene	ND		ug/kg	2.5
Toluene	ND		ug/kg	3.8
Ethylbenzene	ND		ug/kg	2.5
Chloromethane	ND		ug/kg	12
Bromomethane	ND		ug/kg	5.0
Vinyl chloride	ND		ug/kg	5.0
Chloroethane	ND		ug/kg	5.0
1,1-Dichloroethene	ND		ug/kg	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8
Trichloroethene	ND		ug/kg	2.5
1,2-Dichlorobenzene	ND		ug/kg	12
1,3-Dichlorobenzene	ND		ug/kg	12
1,4-Dichlorobenzene	ND		ug/kg	12

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/19/09 12:35
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG367596-3				
Methyl tert butyl ether	ND		ug/kg	5.0
p/m-Xylene	ND		ug/kg	5.0
o-Xylene	ND		ug/kg	5.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5
Dibromomethane	ND		ug/kg	25
Styrene	ND		ug/kg	5.0
Dichlorodifluoromethane	ND		ug/kg	25
Acetone	ND		ug/kg	25
Carbon disulfide	ND		ug/kg	25
2-Butanone	ND		ug/kg	25
Vinyl acetate	ND		ug/kg	25
4-Methyl-2-pentanone	ND		ug/kg	25
1,2,3-Trichloropropane	ND		ug/kg	25
2-Hexanone	ND		ug/kg	25
Bromochloromethane	ND		ug/kg	12
2,2-Dichloropropane	ND		ug/kg	12
1,2-Dibromoethane	ND		ug/kg	10
1,3-Dichloropropane	ND		ug/kg	12
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5
Bromobenzene	ND		ug/kg	12
n-Butylbenzene	ND		ug/kg	2.5
sec-Butylbenzene	ND		ug/kg	2.5
tert-Butylbenzene	ND		ug/kg	12
o-Chlorotoluene	ND		ug/kg	12
p-Chlorotoluene	ND		ug/kg	12
1,2-Dibromo-3-chloropropane	ND		ug/kg	12
Hexachlorobutadiene	ND		ug/kg	12
Isopropylbenzene	ND		ug/kg	2.5
p-Isopropyltoluene	ND		ug/kg	2.5
Naphthalene	ND		ug/kg	12
Acrylonitrile	ND		ug/kg	25

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/19/09 12:35
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG367596-3				
n-Propylbenzene	ND		ug/kg	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	12
1,2,4-Trichlorobenzene	ND		ug/kg	12
1,3,5-Trimethylbenzene	ND		ug/kg	12
1,2,4-Trimethylbenzene	ND		ug/kg	12
1,4-Diethylbenzene	ND		ug/kg	10
4-Ethyltoluene	ND		ug/kg	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10
Ethyl ether	ND		ug/kg	12
trans-1,4-Dichloro-2-butene	ND		ug/kg	12

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG367596-1 WG367596-2					
Chlorobenzene	117	116	60-133	1	30
Benzene	88	88	66-142	0	30
Toluene	109	109	59-139	0	30
1,1-Dichloroethene	82	87	59-172	6	30
Trichloroethene	83	80	62-137	4	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	113		111		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	88		86		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/18/09 01:55
Analytical Date:	06/19/09 15:49		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	430	1
Bis(2-chloroethyl)ether	ND		ug/kg	430	1
1,2-Dichlorobenzene	ND		ug/kg	430	1
1,3-Dichlorobenzene	ND		ug/kg	430	1
1,4-Dichlorobenzene	ND		ug/kg	430	1
3,3'-Dichlorobenzidine	ND		ug/kg	860	1
2,4-Dinitrotoluene	ND		ug/kg	430	1
2,6-Dinitrotoluene	ND		ug/kg	430	1
4-Chlorophenyl phenyl ether	ND		ug/kg	430	1
4-Bromophenyl phenyl ether	ND		ug/kg	430	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	1
Bis(2-chloroethoxy)methane	ND		ug/kg	430	1
Hexachlorocyclopentadiene	ND		ug/kg	860	1
Isophorone	ND		ug/kg	430	1
Nitrobenzene	ND		ug/kg	430	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	430	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	860	1
Butyl benzyl phthalate	ND		ug/kg	430	1
Di-n-butylphthalate	ND		ug/kg	430	1
Di-n-octylphthalate	ND		ug/kg	430	1
Diethyl phthalate	ND		ug/kg	430	1
Dimethyl phthalate	ND		ug/kg	430	1
Biphenyl	ND		ug/kg	430	1
4-Chloroaniline	ND		ug/kg	430	1
2-Nitroaniline	ND		ug/kg	430	1
3-Nitroaniline	ND		ug/kg	430	1
4-Nitroaniline	ND		ug/kg	610	1
Dibenzofuran	ND		ug/kg	430	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	430	1
P-Chloro-M-Cresol	ND		ug/kg	430	1
2-Chlorophenol	ND		ug/kg	520	1
2,4-Dichlorophenol	ND		ug/kg	860	1
2,4-Dimethylphenol	ND		ug/kg	430	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	860	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	610	1
2-Methylphenol	ND		ug/kg	520	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	1
2,4,5-Trichlorophenol	ND		ug/kg	430	1
Benzoic Acid	ND		ug/kg	4300	1
Benzyl Alcohol	ND		ug/kg	860	1
Carbazole	ND		ug/kg	430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	38		0-136
4-Terphenyl-d14	59		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/18/09 01:55
Analytical Date:	06/20/09 13:50		
Analyst:	HL		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	19		ug/kg	17	1
2-Chloronaphthalene	ND		ug/kg	17	1
Fluoranthene	730		ug/kg	17	1
Hexachlorobutadiene	ND		ug/kg	43	1
Naphthalene	38		ug/kg	17	1
Benzo(a)anthracene	360		ug/kg	17	1
Benzo(a)pyrene	430		ug/kg	17	1
Benzo(b)fluoranthene	570		ug/kg	17	1
Benzo(k)fluoranthene	180		ug/kg	17	1
Chrysene	400		ug/kg	17	1
Acenaphthylene	28		ug/kg	17	1
Anthracene	90		ug/kg	17	1
Benzo(ghi)perylene	340		ug/kg	17	1
Fluorene	32		ug/kg	17	1
Phenanthrene	300		ug/kg	17	1
Dibenzo(a,h)anthracene	88		ug/kg	17	1
Indeno(1,2,3-cd)Pyrene	270		ug/kg	17	1
Pyrene	750		ug/kg	17	1
2-Methylnaphthalene	ND		ug/kg	17	1
Pentachlorophenol	ND		ug/kg	69	1
Hexachlorobenzene	ND		ug/kg	69	1
Hexachloroethane	ND		ug/kg	69	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	83		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/18/09 01:55
Analytical Date:	06/19/09 16:12		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	770	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	770	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	770	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	770	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	770	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	770	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	34		0-136
4-Terphenyl-d14	67		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/18/09 01:55
Analytical Date:	06/20/09 14:20		
Analyst:	HL		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	24		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	770		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	38	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	400		ug/kg	15	1
Benzo(a)pyrene	340		ug/kg	15	1
Benzo(b)fluoranthene	500		ug/kg	15	1
Benzo(k)fluoranthene	170		ug/kg	15	1
Chrysene	460		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	120		ug/kg	15	1
Benzo(ghi)perylene	240		ug/kg	15	1
Fluorene	32		ug/kg	15	1
Phenanthrene	500		ug/kg	15	1
Dibenzo(a,h)anthracene	85		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	220		ug/kg	15	1
Pyrene	690		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	61	1
Hexachlorobenzene	ND		ug/kg	61	1
Hexachloroethane	ND		ug/kg	61	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	31		0-136
4-Terphenyl-d14	62		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/18/09 01:55
Analytical Date:	06/19/09 16:35		
Analyst:	PS		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	420	1
Bis(2-chloroethyl)ether	ND		ug/kg	420	1
1,2-Dichlorobenzene	ND		ug/kg	420	1
1,3-Dichlorobenzene	ND		ug/kg	420	1
1,4-Dichlorobenzene	ND		ug/kg	420	1
3,3'-Dichlorobenzidine	ND		ug/kg	830	1
2,4-Dinitrotoluene	ND		ug/kg	420	1
2,6-Dinitrotoluene	ND		ug/kg	420	1
4-Chlorophenyl phenyl ether	ND		ug/kg	420	1
4-Bromophenyl phenyl ether	ND		ug/kg	420	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	1
Bis(2-chloroethoxy)methane	ND		ug/kg	420	1
Hexachlorocyclopentadiene	ND		ug/kg	830	1
Isophorone	ND		ug/kg	420	1
Nitrobenzene	ND		ug/kg	420	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	420	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	830	1
Butyl benzyl phthalate	ND		ug/kg	420	1
Di-n-butylphthalate	ND		ug/kg	420	1
Di-n-octylphthalate	ND		ug/kg	420	1
Diethyl phthalate	ND		ug/kg	420	1
Dimethyl phthalate	ND		ug/kg	420	1
Biphenyl	ND		ug/kg	420	1
4-Chloroaniline	ND		ug/kg	420	1
2-Nitroaniline	ND		ug/kg	420	1
3-Nitroaniline	ND		ug/kg	420	1
4-Nitroaniline	ND		ug/kg	580	1
Dibenzofuran	ND		ug/kg	420	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	420	1
P-Chloro-M-Cresol	ND		ug/kg	420	1
2-Chlorophenol	ND		ug/kg	500	1
2,4-Dichlorophenol	ND		ug/kg	830	1
2,4-Dimethylphenol	ND		ug/kg	420	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	830	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	580	1
2-Methylphenol	ND		ug/kg	500	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	1
2,4,5-Trichlorophenol	ND		ug/kg	420	1
Benzoic Acid	ND		ug/kg	4200	1
Benzyl Alcohol	ND		ug/kg	830	1
Carbazole	ND		ug/kg	420	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	75		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/18/09 01:55
Analytical Date:	06/20/09 14:49		
Analyst:	HL		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	17	1
2-Chloronaphthalene	ND		ug/kg	17	1
Fluoranthene	20		ug/kg	17	1
Hexachlorobutadiene	ND		ug/kg	42	1
Naphthalene	ND		ug/kg	17	1
Benzo(a)anthracene	ND		ug/kg	17	1
Benzo(a)pyrene	ND		ug/kg	17	1
Benzo(b)fluoranthene	26		ug/kg	17	1
Benzo(k)fluoranthene	ND		ug/kg	17	1
Chrysene	ND		ug/kg	17	1
Acenaphthylene	ND		ug/kg	17	1
Anthracene	ND		ug/kg	17	1
Benzo(ghi)perylene	ND		ug/kg	17	1
Fluorene	ND		ug/kg	17	1
Phenanthrene	21		ug/kg	17	1
Dibenzo(a,h)anthracene	ND		ug/kg	17	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	17	1
Pyrene	18		ug/kg	17	1
2-Methylnaphthalene	ND		ug/kg	17	1
Pentachlorophenol	ND		ug/kg	67	1
Hexachlorobenzene	ND		ug/kg	67	1
Hexachloroethane	ND		ug/kg	67	1

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	48		0-136
4-Terphenyl-d14	59		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/18/09 12:31
Analyst: PS

Extraction Method: EPA 3545
Extraction Date: 06/18/09 01:55

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG367335-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/18/09 12:31
Analyst: PS

Extraction Method: EPA 3545
Extraction Date: 06/18/09 01:55

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG367335-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	32		30-120
2,4,6-Tribromophenol	35		0-136
4-Terphenyl-d14	36		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/18/09 11:37
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/18/09 01:55

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG367336-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/18/09 11:37
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/18/09 01:55

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG367336-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	30		23-120
2-Fluorobiphenyl	**28**		30-120
2,4,6-Tribromophenol	34		0-136
4-Terphenyl-d14	34		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG367335-2 WG367335-3					
1,2,4-Trichlorobenzene	43	48	38-107	11	50
1,2-Dichlorobenzene	43	48	40-140	11	50
1,4-Dichlorobenzene	42	47	28-104	11	50
2,4-Dinitrotoluene	52	54	28-89	4	50
2,6-Dinitrotoluene	48	52	40-140	8	50
4-Chlorophenyl phenyl ether	48	51	40-140	6	50
n-Nitrosodi-n-propylamine	44	48	41-126	9	50
Butyl benzyl phthalate	52	54	40-140	4	50
P-Chloro-M-Cresol	53	56	26-103	6	50
2-Chlorophenol	46	50	25-102	8	50
2-Nitrophenol	44	50	30-130	13	50
4-Nitrophenol	48	56	11-114	15	50
2,4-Dinitrophenol	20	18	4-130	11	50
Phenol	49	53	26-90	8	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG367335-2 WG367335-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		53		25-120
Phenol-d6	48		54		10-120
Nitrobenzene-d5	46		51		23-120
2-Fluorobiphenyl	45		50		30-120
2,4,6-Tribromophenol	54		60		0-136
4-Terphenyl-d14	49		51		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG367336-2 WG367336-3

Acenaphthene	47	32	31-137	38	50
2-Chloronaphthalene	98	65	40-140	40	50
Fluoranthene	55	43	40-140	24	50
Anthracene	52	40	40-140	26	50
Pyrene	56	43	35-142	26	50
Pentachlorophenol	27	23	17-109	16	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG367336-2 WG367336-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		9		25-120
Phenol-d6	53		9		10-120
Nitrobenzene-d5	56		10		23-120
2-Fluorobiphenyl	56		10		30-120
2,4,6-Tribromophenol	63		11		0-136
4-Terphenyl-d14	56		12		18-120

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/17/09 02:30
Analytical Date:	06/20/09 10:16	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	06/18/09
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	43.3	1
Aroclor 1221	ND		ug/kg	43.3	1
Aroclor 1232	ND		ug/kg	43.3	1
Aroclor 1242	ND		ug/kg	43.3	1
Aroclor 1248	ND		ug/kg	43.3	1
Aroclor 1254	ND		ug/kg	43.3	1
Aroclor 1260	ND		ug/kg	43.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	**181**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	**235**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/17/09 02:30
Analytical Date:	06/20/09 10:28	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	06/18/09
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.3	1
Aroclor 1221	ND		ug/kg	38.3	1
Aroclor 1232	ND		ug/kg	38.3	1
Aroclor 1242	ND		ug/kg	38.3	1
Aroclor 1248	ND		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	38.3	1
Aroclor 1260	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/17/09 02:30
Analytical Date:	06/20/09 11:30	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	06/18/09
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	41.7	1
Aroclor 1221	ND		ug/kg	41.7	1
Aroclor 1232	ND		ug/kg	41.7	1
Aroclor 1242	ND		ug/kg	41.7	1
Aroclor 1248	ND		ug/kg	41.7	1
Aroclor 1254	ND		ug/kg	41.7	1
Aroclor 1260	ND		ug/kg	41.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/19/09 00:26
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 06/17/09 02:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/18/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG367319-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907895

Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG367319-2 WG367319-3					
Aroclor 1016	85	86	40-140	1	30
Aroclor 1260	79	79	40-140	0	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		83		30-150	A
Decachlorobiphenyl	78		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	B
Decachlorobiphenyl	91		87		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/16/09 14:09
Analytical Date:	06/18/09 17:23	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	77%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.33	1
Lindane	ND		ug/kg	4.33	1
Alpha-BHC	ND		ug/kg	4.33	1
Beta-BHC	ND		ug/kg	4.33	1
Heptachlor	ND		ug/kg	4.33	1
Aldrin	ND		ug/kg	4.33	1
Heptachlor epoxide	ND		ug/kg	4.33	1
Endrin	ND		ug/kg	4.33	1
Endrin ketone	ND		ug/kg	4.33	1
Dieldrin	ND		ug/kg	4.33	1
4,4'-DDE	ND		ug/kg	4.33	1
4,4'-DDD	ND		ug/kg	4.33	1
4,4'-DDT	ND		ug/kg	4.33	1
Endosulfan I	ND		ug/kg	4.33	1
Endosulfan II	ND		ug/kg	4.33	1
Endosulfan sulfate	ND		ug/kg	4.33	1
Methoxychlor	ND		ug/kg	17.3	1
trans-Chlordane	ND		ug/kg	4.33	1
Chlordane	ND		ug/kg	43.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-01	Date Collected:	06/09/09 09:15
Client ID:	B8(OW)-3-5	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/16/09 10:37
Analytical Date:	06/18/09 17:11		
Analyst:	JB		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.043	1
2,4,5-T	ND		mg/kg	0.043	1
2,4,5-TP (Silvex)	ND		mg/kg	0.043	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	98		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/16/09 14:09
Analytical Date:	06/18/09 17:37	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	87%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.83	1
Lindane	ND		ug/kg	3.83	1
Alpha-BHC	ND		ug/kg	3.83	1
Beta-BHC	ND		ug/kg	3.83	1
Heptachlor	ND		ug/kg	3.83	1
Aldrin	ND		ug/kg	3.83	1
Heptachlor epoxide	ND		ug/kg	3.83	1
Endrin	ND		ug/kg	3.83	1
Endrin ketone	ND		ug/kg	3.83	1
Dieldrin	ND		ug/kg	3.83	1
4,4'-DDE	ND		ug/kg	3.83	1
4,4'-DDD	ND		ug/kg	3.83	1
4,4'-DDT	ND		ug/kg	3.83	1
Endosulfan I	ND		ug/kg	3.83	1
Endosulfan II	ND		ug/kg	3.83	1
Endosulfan sulfate	ND		ug/kg	3.83	1
Methoxychlor	ND		ug/kg	15.3	1
trans-Chlordane	ND		ug/kg	3.83	1
Chlordane	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	30		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	30		30-150	B
Decachlorobiphenyl	**29**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-02	Date Collected:	06/10/09 08:45
Client ID:	B7(OW)-2-4	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/16/09 10:37
Analytical Date:	06/18/09 17:31		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.038	1
2,4,5-T	ND		mg/kg	0.038	1
2,4,5-TP (Silvex)	ND		mg/kg	0.038	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	117		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/16/09 14:09
Analytical Date:	06/18/09 17:50	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	80%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.17	1
Lindane	ND		ug/kg	4.17	1
Alpha-BHC	ND		ug/kg	4.17	1
Beta-BHC	ND		ug/kg	4.17	1
Heptachlor	ND		ug/kg	4.17	1
Aldrin	ND		ug/kg	4.17	1
Heptachlor epoxide	ND		ug/kg	4.17	1
Endrin	ND		ug/kg	4.17	1
Endrin ketone	ND		ug/kg	4.17	1
Dieldrin	ND		ug/kg	4.17	1
4,4'-DDE	ND		ug/kg	4.17	1
4,4'-DDD	ND		ug/kg	4.17	1
4,4'-DDT	ND		ug/kg	4.17	1
Endosulfan I	ND		ug/kg	4.17	1
Endosulfan II	ND		ug/kg	4.17	1
Endosulfan sulfate	ND		ug/kg	4.17	1
Methoxychlor	ND		ug/kg	16.7	1
trans-Chlordane	ND		ug/kg	4.17	1
Chlordane	ND		ug/kg	41.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID:	L0907895-03	Date Collected:	06/12/09 08:55
Client ID:	B10-5-7	Date Received:	06/15/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A(M)	Extraction Date:	06/16/09 10:37
Analytical Date:	06/18/09 17:52		
Analyst:	JB		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab					
2,4-D	ND		mg/kg	0.042	1
2,4,5-T	ND		mg/kg	0.042	1
2,4,5-TP (Silvex)	ND		mg/kg	0.042	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	31		30-150	A
DCAA	35		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A(M)
Analytical Date: 06/18/09 15:51
Analyst: JB

Extraction Method: EPA 8151A
Extraction Date: 06/16/09 10:37

Parameter	Result	Qualifier	Units	RDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG366999-1				
2,4-D	ND		mg/kg	0.033
2,4,5-T	ND		mg/kg	0.033
2,4,5-TP (Silvex)	ND		mg/kg	0.033

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	81		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/18/09 14:39
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/16/09 14:09
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/18/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG367037-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG366999-2 WG366999-3					
2,4-D	67	72	30-150	7	30
2,4,5-T	70	74	30-150	6	30
2,4,5-TP (Silvex)	68	70	30-150	3	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		75		30-150	A
DCAA	68		71		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG367037-2 WG367037-3					
Delta-BHC	65	58	30-150	11	30
Lindane	65	53	30-150	20	30
Alpha-BHC	65	52	30-150	22	30
Beta-BHC	65	58	30-150	11	30
Heptachlor	66	54	30-150	20	30
Aldrin	67	54	30-150	21	30
Heptachlor epoxide	76	63	30-150	19	30
Endrin	64	55	30-150	15	30
Endrin ketone	66	56	30-150	16	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG367037-2 WG367037-3					
Dieldrin	72	58	30-150	22	30
4,4'-DDE	75	69	30-150	8	30
4,4'-DDD	69	67	30-150	3	30
4,4'-DDT	54	44	30-150	20	30
Endosulfan I	68	61	30-150	11	30
Endosulfan II	67	57	30-150	16	30
Endosulfan sulfate	61	56	30-150	9	30
Methoxychlor	70	67	30-150	4	30
trans-Chlordane	68	60	30-150	13	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		54		30-150	A
Decachlorobiphenyl	75		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		56		30-150	B
Decachlorobiphenyl	68		56		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907895-01 Date Collected: 06/09/09 09:15

Client ID: B8(OW)-3-5 Date Received: 06/15/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	5300		mg/kg	5.0	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Antimony, Total	5.7		mg/kg	2.5	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Arsenic, Total	19		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Barium, Total	730		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Beryllium, Total	0.32		mg/kg	0.25	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Cadmium, Total	3.0		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Calcium, Total	12000		mg/kg	5.0	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Chromium, Total	35		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Cobalt, Total	6.4		mg/kg	1.0	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Copper, Total	410		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Iron, Total	53000		mg/kg	25	10	06/16/09 12:30	06/22/09 16:15	EPA 3050B	1,6010B	AI
Lead, Total	1300		mg/kg	2.5	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Magnesium, Total	1800		mg/kg	5.0	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Manganese, Total	280		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Mercury, Total	4.1		mg/kg	0.50	5	06/20/09 14:15	06/22/09 13:16	EPA 7471A	1,7471A	EZ
Nickel, Total	30		mg/kg	1.2	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Potassium, Total	770		mg/kg	120	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Selenium, Total	1.9		mg/kg	1.0	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Silver, Total	2.2		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Sodium, Total	910		mg/kg	100	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	10	10	06/16/09 12:30	06/22/09 16:15	EPA 3050B	1,6010B	AI
Vanadium, Total	21		mg/kg	0.50	1	06/16/09 12:30	06/19/09 13:30	EPA 3050B	1,6010B	MG
Zinc, Total	1200		mg/kg	25	10	06/16/09 12:30	06/22/09 16:15	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907895-02 Date Collected: 06/10/09 08:45

Client ID: B7(OW)-2-4 Date Received: 06/15/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	10000		mg/kg	4.5	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.2	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Arsenic, Total	3.2		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Barium, Total	84		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Beryllium, Total	0.55		mg/kg	0.22	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Cadmium, Total	0.59		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Calcium, Total	7900		mg/kg	4.5	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Chromium, Total	20		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Cobalt, Total	6.9		mg/kg	0.90	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Copper, Total	38		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Iron, Total	15000		mg/kg	2.2	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Lead, Total	110		mg/kg	2.2	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Magnesium, Total	7200		mg/kg	4.5	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Manganese, Total	450		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Mercury, Total	0.51		mg/kg	0.09	1	06/20/09 14:15	06/22/09 11:59	EPA 7471A	1,7471A	EZ
Nickel, Total	13		mg/kg	1.1	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Potassium, Total	2100		mg/kg	110	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.90	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Sodium, Total	970		mg/kg	90	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	9.0	10	06/16/09 12:30	06/22/09 16:26	EPA 3050B	1,6010B	AI
Vanadium, Total	25		mg/kg	0.45	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG
Zinc, Total	69		mg/kg	2.2	1	06/16/09 12:30	06/19/09 13:39	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

SAMPLE RESULTS

Lab ID: L0907895-03 Date Collected: 06/12/09 08:55

Client ID: B10-5-7 Date Received: 06/15/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	3100		mg/kg	4.8	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	2.4	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Arsenic, Total	6.7		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Barium, Total	1500		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Beryllium, Total	0.34		mg/kg	0.24	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Cadmium, Total	1.2		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Calcium, Total	21000		mg/kg	4.8	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Chromium, Total	15		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Cobalt, Total	4.7		mg/kg	0.97	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Copper, Total	260		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Iron, Total	12000		mg/kg	2.4	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Lead, Total	530		mg/kg	2.4	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Magnesium, Total	11000		mg/kg	4.8	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Manganese, Total	170		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Mercury, Total	1.8		mg/kg	0.10	1	06/20/09 14:15	06/22/09 12:01	EPA 7471A	1,7471A	EZ
Nickel, Total	19		mg/kg	1.2	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Potassium, Total	510		mg/kg	120	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.97	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Silver, Total	1.1		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Sodium, Total	690		mg/kg	97	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	9.7	10	06/16/09 12:30	06/22/09 16:28	EPA 3050B	1,6010B	AI
Vanadium, Total	16		mg/kg	0.48	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG
Zinc, Total	440		mg/kg	2.4	1	06/16/09 12:30	06/19/09 13:42	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG367065-1									
Aluminum, Total	ND		mg/kg	4.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Calcium, Total	8.3		mg/kg	4.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Iron, Total	3.6		mg/kg	2.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Potassium, Total	ND		mg/kg	100	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Sodium, Total	ND		mg/kg	80	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	1	06/16/09 12:30	06/19/09 13:15	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG367723-1									
Mercury, Total	ND		mg/kg	0.08	1	06/20/09 14:15	06/22/09 11:53	1,7471A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0907895

Project Number: 5817802 **Report Date:** 06/23/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG367065-2					
Aluminum, Total	102	-	75-125	-	
Antimony, Total	97	-	75-125	-	
Arsenic, Total	106	-	75-125	-	
Barium, Total	96	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	105	-	75-125	-	
Calcium, Total	100	-	75-125	-	
Chromium, Total	102	-	75-125	-	
Cobalt, Total	102	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	100	-	75-125	-	
Lead, Total	105	-	75-125	-	
Magnesium, Total	102	-	75-125	-	
Manganese, Total	102	-	75-125	-	
Nickel, Total	97	-	75-125	-	
Potassium, Total	95	-	75-125	-	
Selenium, Total	100	-	75-125	-	
Silver, Total	119	-	75-125	-	
Sodium, Total	110	-	75-125	-	
Thallium, Total	102	-	75-125	-	
Vanadium, Total	102	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG367065-2					
Zinc, Total	102	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG367723-2					
Mercury, Total	108	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367065-4 QC Sample: L0907895-01 Client ID: B8(OW)-3-5									
Aluminum, Total	5300	98	5600	**306**	-	-	75-125	-	35
Antimony, Total	5.7	24.5	13	**30**	-	-	75-125	-	35
Arsenic, Total	19	5.88	19	**0**	-	-	75-125	-	35
Barium, Total	730	98	690	**0**	-	-	75-125	-	35
Beryllium, Total	0.32	2.45	2.1	**73**	-	-	75-125	-	35
Cadmium, Total	3.0	2.5	4.1	**44**	-	-	75-125	-	35
Calcium, Total	12000	490	18000	**1220**	-	-	75-125	-	35
Chromium, Total	35	9.8	31	**0**	-	-	75-125	-	35
Cobalt, Total	6.4	24.5	22	**64**	-	-	75-125	-	35
Copper, Total	410	12.2	6000	**45600**	-	-	75-125	-	35
Iron, Total	53000	49	43000	**0**	-	-	75-125	-	35
Lead, Total	1300	25	940	**0**	-	-	75-125	-	35
Magnesium, Total	1800	490	2200	82	-	-	75-125	-	35
Manganese, Total	280	24.5	220	**0**	-	-	75-125	-	35
Nickel, Total	30	24.5	46	**65**	-	-	75-125	-	35
Potassium, Total	770	490	1200	88	-	-	75-125	-	35
Selenium, Total	1.9	5.88	6.4	76	-	-	75-125	-	35
Silver, Total	2.2	14.7	17	101	-	-	75-125	-	35
Sodium, Total	910	490	1300	80	-	-	75-125	-	35
Thallium, Total	ND	5.88	8.3J	**0**	-	-	75-125	-	35
Vanadium, Total	21	24.5	37	**65**	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367065-4 QC Sample: L0907895-01 Client ID: B8(OW)-3-5									
Zinc, Total	1200	24.5	2000	**3260**	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367723-4 QC Sample: L0907902-01 Client ID: MS Sample									
Mercury, Total	ND	0.182	0.26	**142**	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367065-3 QC Sample: L0907895-01 Client ID: B8(OW)-3-5					
Aluminum, Total	5300	5500	mg/kg	4	35
Antimony, Total	5.7	5.6	mg/kg	2	35
Arsenic, Total	19	17	mg/kg	11	35
Barium, Total	730	850	mg/kg	15	35
Beryllium, Total	0.32	0.32	mg/kg	0	35
Cadmium, Total	3.0	2.7	mg/kg	11	35
Calcium, Total	12000	28000	mg/kg	**80**	35
Chromium, Total	35	32	mg/kg	9	35
Cobalt, Total	6.4	6.0	mg/kg	6	35
Copper, Total	410	370	mg/kg	10	35
Lead, Total	1300	800	mg/kg	**48**	35
Magnesium, Total	1800	10000	mg/kg	**139**	35
Manganese, Total	280	260	mg/kg	7	35
Nickel, Total	30	28	mg/kg	7	35
Potassium, Total	770	870	mg/kg	12	35
Selenium, Total	1.9	ND	mg/kg	NC	35
Silver, Total	2.2	2.1	mg/kg	5	35
Sodium, Total	910	910	mg/kg	0	35
Vanadium, Total	21	17	mg/kg	21	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367065-3 QC Sample: L0907895-01 Client ID: B8(OW)-3-5					
Iron, Total	53000	53000	mg/kg	0	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	1200	1400	mg/kg	15	35
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367723-3 QC Sample: L0907902-01 Client ID: DUP Sample					
Mercury, Total	ND	0.11	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

SAMPLE RESULTS

Lab ID: L0907895-01
Client ID: B8(OW)-3-5
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/09/09 09:15
Date Received: 06/15/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	77		%	0.10	1	-	06/17/09 08:52	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

SAMPLE RESULTS

Lab ID: L0907895-02
Client ID: B7(OW)-2-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/10/09 08:45
Date Received: 06/15/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	06/17/09 08:52	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

SAMPLE RESULTS

Lab ID: L0907895-03
Client ID: B10-5-7
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/12/09 08:55
Date Received: 06/15/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	80		%	0.10	1	-	06/17/09 08:52	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG367167-1 QC Sample: L0907748-01 Client ID: DUP Sample					
Solids, Total	90	90	%	0	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907895
Report Date: 06/23/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907895-01A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907895-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907895-01C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907895-02A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907895-02B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907895-02C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907895-03A	Vial Large unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L0907895-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(14)
L0907895-03C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907895
Project Number:	5817802	**Report Date:**	06/23/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907895
Project Number: 5817802 **Report Date:** 06/23/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06230913:35

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA LABORATORIES

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/15/09

ALPHA Job #: L0907895

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 06-22-09 Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY TAGM

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals						Sample Specific Comments	TOTAL # BOTTLES
07895.1	B8(OW)-3-5	6/09/09	915	S	DP	X	X	X	X	X	X						3 jars	
2	B7(OW)-2-4	6/10/09	845	S	DP	X	X	X	X	X	X						3 jars	
3	B10-5-7	6/12/09	855	S	DP	X	X	X	X	X	X						3 jars	

Container Type	A	A	A	A	A	A					
Preservative											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/15/09	[illegible]	6/15/09 1230
[illegible]	6/15/09	[illegible]	6/15/09 1430
[illegible]	6/15/09 2050	[illegible]	6/15/09 2050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Data File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\090620a.b\0620B007.D

Date : 20-JUN-2009 10:16

Client ID:

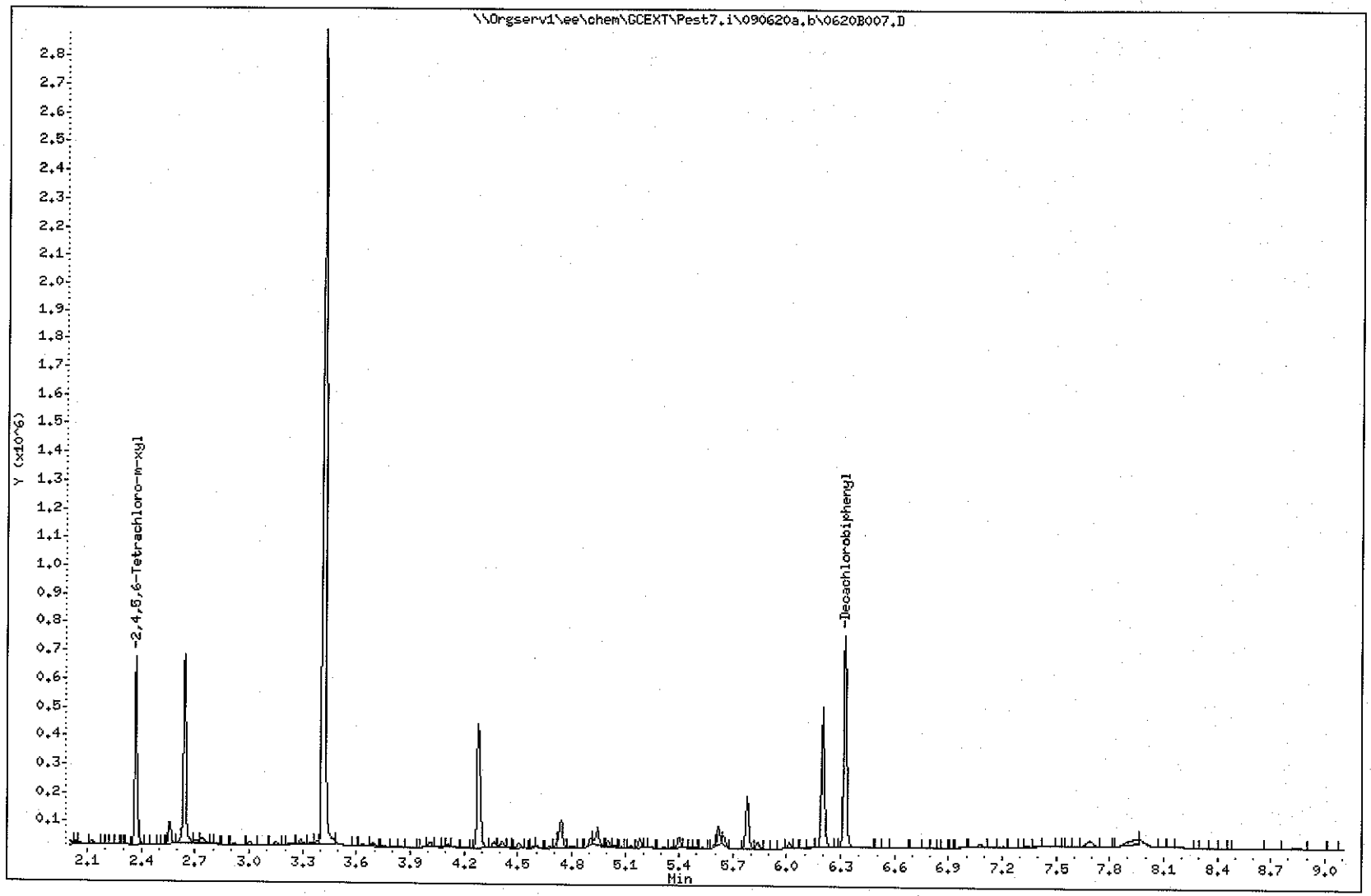
Sample Info: 10907895-01,4

Instrument: Pest7.i

Operator: sh

Column phase: Rtx-1701

Column diameter: 0.32



Data File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\090620b.b\0620B007.D

Date : 20-JUN-2009 10:16

Client ID:

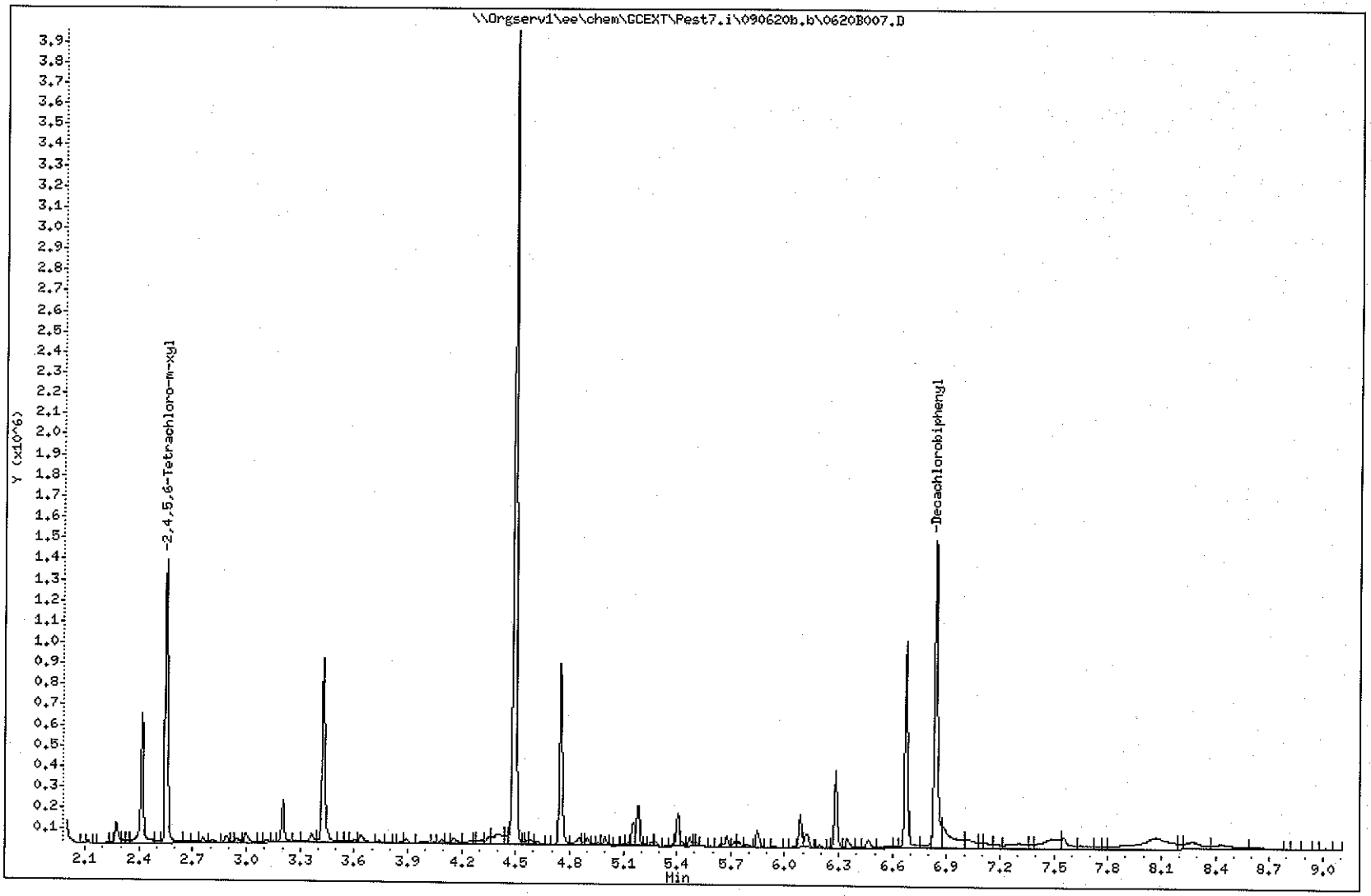
Sample Info: 10907895-01,4

Column phase: HP-5

Instrument: Pest7.i

Operator: sh

Column diameter: 0.32



ANALYTICAL REPORT

Lab Number:	L0906902
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/04/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906902
Report Date: 06/04/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0906902-01	GB1-6-7	RIKERS ISLAND, NY	05/28/09 12:15
L0906902-02	GB6-7-8	RIKERS ISLAND, NY	05/28/09 09:40
L0906902-03	GB4-8-9	RIKERS ISLAND, NY	05/28/09 12:51

Project Name: RIKERS ISLAND **Lab Number:** L0906902
Project Number: 5817802 **Report Date:** 06/04/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Samples 'GB1-6-7' and 'GB6-7-8' were placed on hold for all analysis at the client's request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/04/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906902

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906902-03	Date Collected:	05/28/09 12:51
Client ID:	GB4-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/04/09 13:19		
Analyst:	PD		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	9.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	1
Chloroform	ND		ug/kg	1.4	1
Carbon tetrachloride	ND		ug/kg	0.91	1
1,2-Dichloropropane	ND		ug/kg	3.2	1
Dibromochloromethane	ND		ug/kg	0.91	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	1
Tetrachloroethene	ND		ug/kg	0.91	1
Chlorobenzene	ND		ug/kg	0.91	1
Trichlorofluoromethane	ND		ug/kg	4.5	1
1,2-Dichloroethane	ND		ug/kg	0.91	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	1
Bromodichloromethane	ND		ug/kg	0.91	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	1
1,1-Dichloropropene	ND		ug/kg	4.5	1
Bromoform	ND		ug/kg	3.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	1
Benzene	ND		ug/kg	0.91	1
Toluene	ND		ug/kg	1.4	1
Ethylbenzene	ND		ug/kg	0.91	1
Chloromethane	ND		ug/kg	4.5	1
Bromomethane	ND		ug/kg	1.8	1
Vinyl chloride	ND		ug/kg	1.8	1
Chloroethane	ND		ug/kg	1.8	1
1,1-Dichloroethene	ND		ug/kg	0.91	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	1
Trichloroethene	ND		ug/kg	0.91	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	1

Project Name: RIKERS ISLAND **Lab Number:** L0906902

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID: L0906902-03 Date Collected: 05/28/09 12:51

Client ID: GB4-8-9 Date Received: 05/28/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	4.5	1
Methyl tert butyl ether	ND		ug/kg	1.8	1
p/m-Xylene	ND		ug/kg	1.8	1
o-Xylene	ND		ug/kg	1.8	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	1
Dibromomethane	ND		ug/kg	9.1	1
Styrene	ND		ug/kg	1.8	1
Dichlorodifluoromethane	ND		ug/kg	9.1	1
Acetone	ND		ug/kg	9.1	1
Carbon disulfide	ND		ug/kg	9.1	1
2-Butanone	ND		ug/kg	9.1	1
Vinyl acetate	ND		ug/kg	9.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1
1,2,3-Trichloropropane	ND		ug/kg	9.1	1
2-Hexanone	ND		ug/kg	9.1	1
Bromochloromethane	ND		ug/kg	4.5	1
2,2-Dichloropropane	ND		ug/kg	4.5	1
1,2-Dibromoethane	ND		ug/kg	3.6	1
1,3-Dichloropropane	ND		ug/kg	4.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	1
Bromobenzene	ND		ug/kg	4.5	1
n-Butylbenzene	ND		ug/kg	0.91	1
sec-Butylbenzene	ND		ug/kg	0.91	1
tert-Butylbenzene	ND		ug/kg	4.5	1
o-Chlorotoluene	ND		ug/kg	4.5	1
p-Chlorotoluene	ND		ug/kg	4.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1
Hexachlorobutadiene	ND		ug/kg	4.5	1
Isopropylbenzene	ND		ug/kg	0.91	1
p-Isopropyltoluene	ND		ug/kg	0.91	1
Naphthalene	ND		ug/kg	4.5	1
Acrylonitrile	ND		ug/kg	9.1	1
n-Propylbenzene	ND		ug/kg	0.91	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	1

Project Name: RIKERS ISLAND **Lab Number:** L0906902

Project Number: 5817802 **Report Date:** 06/04/09

SAMPLE RESULTS

Lab ID:	L0906902-03	Date Collected:	05/28/09 12:51
Client ID:	GB4-8-9	Date Received:	05/28/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	3.6	1
4-Ethyltoluene	ND		ug/kg	3.6	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	1
Ethyl ether	ND		ug/kg	4.5	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	79		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906902

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03 Batch: WG365238-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: RIKERS ISLAND **Lab Number:** L0906902

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03 Batch: WG365238-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	10
2-Butanone	ND		ug/kg	10
Vinyl acetate	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
Acrylonitrile	ND		ug/kg	10

Project Name: RIKERS ISLAND **Lab Number:** L0906902

Project Number: 5817802 **Report Date:** 06/04/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03 Batch: WG365238-3				
n-Propylbenzene	ND		ug/kg	1.0
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
1,4-Diethylbenzene	ND		ug/kg	4.0
4-Ethyltoluene	ND		ug/kg	4.0
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0
Ethyl ether	ND		ug/kg	5.0
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	80		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0906902

Report Date: 06/04/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03 Batch: WG365238-1 WG365238-2					
Chlorobenzene	107	82	60-133	26	30
Benzene	101	76	66-142	28	30
Toluene	101	78	59-139	26	30
1,1-Dichloroethene	98	74	59-172	28	30
Trichloroethene	100	76	62-137	27	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		93		70-130
Toluene-d8	111		91		70-130
4-Bromofluorobenzene	104		85		70-130
Dibromofluoromethane	111		88		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906902
Report Date: 06/04/09

SAMPLE RESULTS

Lab ID: L0906902-03
Client ID: GB4-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 12:51
Date Received: 05/28/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	86		%	0.10	1	-	06/03/09 13:33	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906902
Report Date: 06/04/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG365041-1 QC Sample: L0907030-02 Client ID: DUP Sample					
Solids, Total	84	80	%	5	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906902
Report Date: 06/04/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906902-01A	25 gram Encore Sampler	A	N/A	3.6	Y	Absent	HOLD(14)
L0906902-02A	25 gram Encore Sampler	A	N/A	3.6	Y	Absent	HOLD(14)
L0906902-03A	25 gram Encore Sampler	A	N/A	3.6	Y	Absent	TS(7),ENCORE-SPLIT()
L0906902-03B	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906902-03C	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906902-03D	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()

Container Comments

L0906902-03A

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906902
Project Number:	5817802	**Report Date:**	06/04/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0906902
Project Number: 5817802 **Report Date:** 06/04/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

06040920:02

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/28/09

ALPHA Job #: L0906902

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 8th FLR New York, NY, 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Langan

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/4/09 Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NS Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL VOCs 8260

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	TOTAL # BOTTLES
06902.1	GB1-6-7	5/28/09	1215	S	JFG	X		
2	GB6-7-8	5/28/09	940	S	JFG	X		
3	GB4-8-9	5/28/09	1251	S	JFG	X		

Container Type	E												
Preservative													

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/28/09 1515	[signature]	5/28/09 1515
[signature]	5/28/09	[signature]	5/29/09 19:30
[signature]	5/28/09 21:25	[signature]	5/28/09 2125

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0906981
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/09/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0906981-01	COMP 1	RIKERS ISLAND, NY	05/29/09 08:05
L0906981-02	GB1-2-3	RIKERS ISLAND, NY	05/28/09 12:30
L0906981-03	COMP 2	RIKERS ISLAND, NY	05/29/09 09:00
L0906981-04	GB4-9-10	RIKERS ISLAND, NY	05/28/09 13:00
L0906981-05	COMP 3	RIKERS ISLAND, NY	05/29/09 09:30
L0906981-06	GB5-3-4	RIKERS ISLAND, NY	05/28/09 13:45
L0906981-07	COMP 8	RIKERS ISLAND, NY	05/29/09 10:50
L0906981-08	GB20-9-10	RIKERS ISLAND, NY	05/29/09 09:20
L0906981-09	GB1-3-4	RIKERS ISLAND, NY	05/28/09 13:25
L0906981-10	GB5-4-5	RIKERS ISLAND, NY	05/28/09 14:00
L0906981-11	GB20-8-9	RIKERS ISLAND, NY	05/29/09 08:35
L0906981-12	GB9-6-7	RIKERS ISLAND, NY	05/29/09 11:58

Project Name: RIKERS ISLAND **Lab Number:** L0906981
Project Number: 5817802 **Report Date:** 06/09/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics by SIM

L0906981-01 has elevated detection limits due to the dilution required by the sample matrix.

L0906981-05 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The surrogate recovery for L0906981-07 is below the individual acceptance criteria for 2-Fluorobiphenyl (25%), but within the overall method allowances. The results of the original analysis are reported.

Project Name: RIKERS ISLAND **Lab Number:** L0906981
Project Number: 5817802 **Report Date:** 06/09/09

Case Narrative (continued)

Semivolatile Organics

The WG365829-3 LCSD recoveries associated with L0906981-07 were above the acceptance criteria for 2,4-Dinitrotoluene (100%), P-Chloro-M-Cresol (109%) and Phenol (99%); however, the associated sample was non-detect for these target compounds. The results of the original analysis are reported.

The WG365829-2/-3 LCS/LCSD RPD associated with L0906981-07 is above the acceptance criteria for 2,4-Dinitrophenol (92%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated sample are reported.

Petroleum Hydrocarbon Quantitation

L0906981-01, -05 and -07 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

PCB

The WG364823-2/-3 LCS/LCSD RPD associated with L0906981-01 is above the acceptance criteria for Aroclor 1016 (31%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated sample are reported.

Pesticides

The surrogate recoveries for L0906981-01 are below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (28%) and Decachlorobiphenyl (27%). Re-analysis achieved similar results. The results of the original analysis are reported.

The surrogate recovery for L0906981-03 is below the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (29%) , but within the overall method allowances. The results of the original analysis are reported.

L0906981-07 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

Case Narrative (continued)

Total Metals

L0906981-01, -03, -05, and -07 have elevated detection limits for Iron due to the dilutions required to quantitate the results within the calibration range.

L0906981-01 has an elevated detection limit for Mercury due to the analytical dilution required to quantitate the result within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 06/09/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-02	Date Collected:	05/28/09 12:30
Client ID:	GB1-2-3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 11:39		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	115		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-04	Date Collected:	05/28/09 13:00
Client ID:	GB4-9-10	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 12:35		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	116		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-06	Date Collected:	05/28/09 13:45
Client ID:	GB5-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 12:54		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	115		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-08	Date Collected:	05/29/09 09:20
Client ID:	GB20-9-10	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 13:13		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	118		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-09	Date Collected:	05/28/09 13:25
Client ID:	GB1-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/04/09 10:54		
Analyst:	PD		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.1	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	5.8	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	5.8	1
Bromoform	ND		ug/kg	4.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	5.8	1
Bromomethane	ND		ug/kg	2.3	1
Vinyl chloride	ND		ug/kg	2.3	1
Chloroethane	ND		ug/kg	2.3	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-09 Date Collected: 05/28/09 13:25

Client ID: GB1-3-4 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	5.8	1
Methyl tert butyl ether	ND		ug/kg	2.3	1
p/m-Xylene	ND		ug/kg	2.3	1
o-Xylene	ND		ug/kg	2.3	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
Styrene	7.1		ug/kg	2.3	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	ND		ug/kg	12	1
Carbon disulfide	ND		ug/kg	12	1
2-Butanone	ND		ug/kg	12	1
Vinyl acetate	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	5.8	1
2,2-Dichloropropane	ND		ug/kg	5.8	1
1,2-Dibromoethane	ND		ug/kg	4.7	1
1,3-Dichloropropane	ND		ug/kg	5.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	5.8	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	5.8	1
o-Chlorotoluene	ND		ug/kg	5.8	1
p-Chlorotoluene	ND		ug/kg	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	1
Hexachlorobutadiene	ND		ug/kg	5.8	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	5.8	1
Acrylonitrile	ND		ug/kg	12	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-09	Date Collected:	05/28/09 13:25
Client ID:	GB1-3-4	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	4.7	1
4-Ethyltoluene	ND		ug/kg	4.7	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	1
Ethyl ether	ND		ug/kg	5.8	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	77		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-10	Date Collected:	05/28/09 14:00
Client ID:	GB5-4-5	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/04/09 11:30		
Analyst:	PD		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.1	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	5.9	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	5.9	1
Bromoform	ND		ug/kg	4.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	5.9	1
Bromomethane	ND		ug/kg	2.4	1
Vinyl chloride	ND		ug/kg	2.4	1
Chloroethane	ND		ug/kg	2.4	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-10 Date Collected: 05/28/09 14:00

Client ID: GB5-4-5 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	5.9	1
Methyl tert butyl ether	ND		ug/kg	2.4	1
p/m-Xylene	ND		ug/kg	2.4	1
o-Xylene	ND		ug/kg	2.4	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.4	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	ND		ug/kg	12	1
Carbon disulfide	ND		ug/kg	12	1
2-Butanone	ND		ug/kg	12	1
Vinyl acetate	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	5.9	1
2,2-Dichloropropane	ND		ug/kg	5.9	1
1,2-Dibromoethane	ND		ug/kg	4.7	1
1,3-Dichloropropane	ND		ug/kg	5.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	5.9	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	5.9	1
o-Chlorotoluene	ND		ug/kg	5.9	1
p-Chlorotoluene	ND		ug/kg	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	1
Hexachlorobutadiene	ND		ug/kg	5.9	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	5.9	1
Acrylonitrile	ND		ug/kg	12	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-10	Date Collected:	05/28/09 14:00
Client ID:	GB5-4-5	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	4.7	1
4-Ethyltoluene	ND		ug/kg	4.7	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	1
Ethyl ether	ND		ug/kg	5.9	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	80		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-11	Date Collected:	05/29/09 08:35
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/04/09 12:06		
Analyst:	PD		
Percent Solids:	70%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	18	1
1,1-Dichloroethane	ND		ug/kg	2.7	1
Chloroform	ND		ug/kg	2.7	1
Carbon tetrachloride	ND		ug/kg	1.8	1
1,2-Dichloropropane	ND		ug/kg	6.2	1
Dibromochloromethane	ND		ug/kg	1.8	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	1
Tetrachloroethene	ND		ug/kg	1.8	1
Chlorobenzene	ND		ug/kg	1.8	1
Trichlorofluoromethane	ND		ug/kg	8.9	1
1,2-Dichloroethane	ND		ug/kg	1.8	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	1
Bromodichloromethane	ND		ug/kg	1.8	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	1
1,1-Dichloropropene	ND		ug/kg	8.9	1
Bromoform	ND		ug/kg	7.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	1
Benzene	ND		ug/kg	1.8	1
Toluene	ND		ug/kg	2.7	1
Ethylbenzene	ND		ug/kg	1.8	1
Chloromethane	ND		ug/kg	8.9	1
Bromomethane	ND		ug/kg	3.6	1
Vinyl chloride	ND		ug/kg	3.6	1
Chloroethane	ND		ug/kg	3.6	1
1,1-Dichloroethene	ND		ug/kg	1.8	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	1
Trichloroethene	ND		ug/kg	1.8	1
1,2-Dichlorobenzene	ND		ug/kg	8.9	1
1,3-Dichlorobenzene	ND		ug/kg	8.9	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-11	Date Collected:	05/29/09 08:35
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	8.9	1
Methyl tert butyl ether	ND		ug/kg	3.6	1
p/m-Xylene	ND		ug/kg	3.6	1
o-Xylene	ND		ug/kg	3.6	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	1
Dibromomethane	ND		ug/kg	18	1
Styrene	ND		ug/kg	3.6	1
Dichlorodifluoromethane	ND		ug/kg	18	1
Acetone	210		ug/kg	18	1
Carbon disulfide	ND		ug/kg	18	1
2-Butanone	56		ug/kg	18	1
Vinyl acetate	ND		ug/kg	18	1
4-Methyl-2-pentanone	ND		ug/kg	18	1
1,2,3-Trichloropropane	ND		ug/kg	18	1
2-Hexanone	ND		ug/kg	18	1
Bromochloromethane	ND		ug/kg	8.9	1
2,2-Dichloropropane	ND		ug/kg	8.9	1
1,2-Dibromoethane	ND		ug/kg	7.1	1
1,3-Dichloropropane	ND		ug/kg	8.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	1
Bromobenzene	ND		ug/kg	8.9	1
n-Butylbenzene	ND		ug/kg	1.8	1
sec-Butylbenzene	ND		ug/kg	1.8	1
tert-Butylbenzene	ND		ug/kg	8.9	1
o-Chlorotoluene	ND		ug/kg	8.9	1
p-Chlorotoluene	ND		ug/kg	8.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.9	1
Hexachlorobutadiene	ND		ug/kg	8.9	1
Isopropylbenzene	ND		ug/kg	1.8	1
p-Isopropyltoluene	ND		ug/kg	1.8	1
Naphthalene	ND		ug/kg	8.9	1
Acrylonitrile	ND		ug/kg	18	1
n-Propylbenzene	ND		ug/kg	1.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.9	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.9	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-11	Date Collected:	05/29/09 08:35
Client ID:	GB20-8-9	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	7.1	1
4-Ethyltoluene	ND		ug/kg	7.1	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.1	1
Ethyl ether	ND		ug/kg	8.9	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-12	Date Collected:	05/29/09 11:58
Client ID:	GB9-6-7	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/04/09 12:43		
Analyst:	PD		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.7	1
Chloroform	ND		ug/kg	1.7	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	3.9	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	1
Tetrachloroethene	ND		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.6	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.6	1
Bromoform	ND		ug/kg	4.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.7	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.6	1
Bromomethane	ND		ug/kg	2.2	1
Vinyl chloride	ND		ug/kg	2.2	1
Chloroethane	ND		ug/kg	2.2	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	1
Trichloroethene	ND		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-12	Date Collected:	05/29/09 11:58
Client ID:	GB9-6-7	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	5.6	1
Methyl tert butyl ether	ND		ug/kg	2.2	1
p/m-Xylene	ND		ug/kg	2.2	1
o-Xylene	ND		ug/kg	2.2	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.2	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	ND		ug/kg	11	1
Carbon disulfide	ND		ug/kg	11	1
2-Butanone	ND		ug/kg	11	1
Vinyl acetate	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.6	1
2,2-Dichloropropane	ND		ug/kg	5.6	1
1,2-Dibromoethane	ND		ug/kg	4.5	1
1,3-Dichloropropane	ND		ug/kg	5.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.6	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.6	1
o-Chlorotoluene	ND		ug/kg	5.6	1
p-Chlorotoluene	ND		ug/kg	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	1
Hexachlorobutadiene	ND		ug/kg	5.6	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.6	1
Acrylonitrile	ND		ug/kg	11	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-12	Date Collected:	05/29/09 11:58
Client ID:	GB9-6-7	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	4.5	1
4-Ethyltoluene	ND		ug/kg	4.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	1
Ethyl ether	ND		ug/kg	5.6	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	85		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 09-12 Batch: WG365238-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 09-12 Batch: WG365238-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	10
2-Butanone	ND		ug/kg	10
Vinyl acetate	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
Acrylonitrile	ND		ug/kg	10

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 09-12 Batch: WG365238-3				
n-Propylbenzene	ND		ug/kg	1.0
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
1,4-Diethylbenzene	ND		ug/kg	4.0
4-Ethyltoluene	ND		ug/kg	4.0
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0
Ethyl ether	ND		ug/kg	5.0
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	80		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 07:32
Analyst: MM
TCLP Extraction Date: 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 04,08 Batch: WG365476-3				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 07:51
Analyst: MM
TCLP Extraction Date: 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 02,06 Batch: WG365478-3				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 09-12 Batch: WG365238-1 WG365238-2					
Chlorobenzene	107	82	60-133	26	30
Benzene	101	76	66-142	28	30
Toluene	101	78	59-139	26	30
1,1-Dichloroethene	98	74	59-172	28	30
Trichloroethene	100	76	62-137	27	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		93		70-130
Toluene-d8	111		91		70-130
4-Bromofluorobenzene	104		85		70-130
Dibromofluoromethane	111		88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 04,08 Batch: WG365476-1 WG365476-2					
Chloroform	85	84	70-130	1	20
Carbon tetrachloride	89	80	70-130	11	20
Tetrachloroethene	95	92	70-130	3	20
Chlorobenzene	94	93	75-130	1	20
1,2-Dichloroethane	84	84	70-130	0	20
Benzene	82	83	76-127	1	20
Vinyl chloride	96	107	70-130	11	20
1,1-Dichloroethene	101	107	61-145	6	20
Trichloroethene	77	77	71-120	0	20
1,4-Dichlorobenzene	95	100	70-130	5	20
2-Butanone	86	91	70-130	6	20

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	90		93		70-130
Dibromofluoromethane	98		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 02,06 Batch: WG365478-1 WG365478-2					
Chloroform	87	87	70-130	0	20
Carbon tetrachloride	79	91	70-130	14	20
Tetrachloroethene	94	94	70-130	0	20
Chlorobenzene	94	95	75-130	1	20
1,2-Dichloroethane	87	88	70-130	1	20
Benzene	83	84	76-127	1	20
Vinyl chloride	102	102	70-130	0	20
1,1-Dichloroethene	103	106	61-145	3	20
Trichloroethene	79	82	71-120	4	20
1,4-Dichlorobenzene	97	97	70-130	0	20
2-Butanone	76	86	70-130	12	20

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	94		97		70-130
Dibromofluoromethane	108		103		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 09:44
Analytical Date:	06/05/09 12:59		
Analyst:	HL		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	160	10
2-Chloronaphthalene	ND		ug/kg	160	10
Fluoranthene	260		ug/kg	160	10
Hexachlorobutadiene	ND		ug/kg	390	10
Naphthalene	ND		ug/kg	160	10
Benzo(a)anthracene	200		ug/kg	160	10
Benzo(a)pyrene	280		ug/kg	160	10
Benzo(b)fluoranthene	350		ug/kg	160	10
Benzo(k)fluoranthene	ND		ug/kg	160	10
Chrysene	ND		ug/kg	160	10
Acenaphthylene	ND		ug/kg	160	10
Anthracene	ND		ug/kg	160	10
Benzo(ghi)perylene	240		ug/kg	160	10
Fluorene	ND		ug/kg	160	10
Phenanthrene	ND		ug/kg	160	10
Dibenzo(a,h)anthracene	ND		ug/kg	160	10
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	10
Pyrene	280		ug/kg	160	10
2-Methylnaphthalene	ND		ug/kg	160	10
Pentachlorophenol	ND		ug/kg	620	10
Hexachlorobenzene	ND		ug/kg	620	10
Hexachloroethane	ND		ug/kg	620	10

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	47		19-120
4-Terphenyl-d14	78		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 09:37
Analytical Date:	06/05/09 13:35		
Analyst:	AK		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	390	1
Bis(2-chloroethyl)ether	ND		ug/kg	390	1
1,2-Dichlorobenzene	ND		ug/kg	390	1
1,3-Dichlorobenzene	ND		ug/kg	390	1
1,4-Dichlorobenzene	ND		ug/kg	390	1
3,3'-Dichlorobenzidine	ND		ug/kg	780	1
2,4-Dinitrotoluene	ND		ug/kg	390	1
2,6-Dinitrotoluene	ND		ug/kg	390	1
4-Chlorophenyl phenyl ether	ND		ug/kg	390	1
4-Bromophenyl phenyl ether	ND		ug/kg	390	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	390	1
Bis(2-chloroethoxy)methane	ND		ug/kg	390	1
Hexachlorocyclopentadiene	ND		ug/kg	780	1
Isophorone	ND		ug/kg	390	1
Nitrobenzene	ND		ug/kg	390	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	390	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	1
Butyl benzyl phthalate	ND		ug/kg	390	1
Di-n-butylphthalate	ND		ug/kg	390	1
Di-n-octylphthalate	ND		ug/kg	390	1
Diethyl phthalate	ND		ug/kg	390	1
Dimethyl phthalate	ND		ug/kg	390	1
Biphenyl	ND		ug/kg	390	1
4-Chloroaniline	ND		ug/kg	390	1
2-Nitroaniline	ND		ug/kg	390	1
3-Nitroaniline	ND		ug/kg	390	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	390	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-01 Date Collected: 05/29/09 08:05

Client ID: COMP 1 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	390	1
P-Chloro-M-Cresol	ND		ug/kg	390	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	780	1
2,4-Dimethylphenol	ND		ug/kg	390	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	780	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	390	1
Benzoic Acid	ND		ug/kg	3900	1
Benzyl Alcohol	ND		ug/kg	780	1
Carbazole	ND		ug/kg	390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	44		19-120
4-Terphenyl-d14	48		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/04/09 11:29
Analytical Date:	06/05/09 16:27		
Analyst:	AK		
Percent Solids:	86%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	58		43-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	82		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:22
Analytical Date:	06/02/09 19:03		
Analyst:	AK		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	770	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	770	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	770	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	770	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	770	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	770	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	42		19-120
4-Terphenyl-d14	79		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 20:37		
Analyst:	HL		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	92		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	38	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	56		ug/kg	15	1
Benzo(a)pyrene	61		ug/kg	15	1
Benzo(b)fluoranthene	84		ug/kg	15	1
Benzo(k)fluoranthene	32		ug/kg	15	1
Chrysene	56		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	39		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	47		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	28		ug/kg	15	1
Pyrene	97		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	61	1
Hexachlorobenzene	ND		ug/kg	61	1
Hexachloroethane	ND		ug/kg	61	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	94		19-120
4-Terphenyl-d14	87		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/04/09 11:29
Analytical Date:	06/05/09 16:52		
Analyst:	AK		
Percent Solids:	87%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		43-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	72		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:22
Analytical Date:	06/02/09 19:27		
Analyst:	AK		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	770	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
4-Chlorophenyl phenyl ether	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorocyclopentadiene	ND		ug/kg	770	1
Isophorone	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	770	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Biphenyl	ND		ug/kg	380	1
4-Chloroaniline	ND		ug/kg	380	1
2-Nitroaniline	ND		ug/kg	380	1
3-Nitroaniline	ND		ug/kg	380	1
4-Nitroaniline	ND		ug/kg	540	1
Dibenzofuran	ND		ug/kg	380	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-05 Date Collected: 05/29/09 09:30

Client ID: COMP 3 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
P-Chloro-M-Cresol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	460	1
2,4-Dichlorophenol	ND		ug/kg	770	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	770	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	540	1
2-Methylphenol	ND		ug/kg	460	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1
Benzoic Acid	ND		ug/kg	3800	1
Benzyl Alcohol	ND		ug/kg	770	1
Carbazole	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	71		19-120
4-Terphenyl-d14	71		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/01/09 11:21
Analytical Date:	06/02/09 21:07		
Analyst:	HL		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	77	5
2-Chloronaphthalene	ND		ug/kg	77	5
Fluoranthene	2500		ug/kg	77	5
Hexachlorobutadiene	ND		ug/kg	190	5
Naphthalene	ND		ug/kg	77	5
Benzo(a)anthracene	1800		ug/kg	77	5
Benzo(a)pyrene	1800		ug/kg	77	5
Benzo(b)fluoranthene	2400		ug/kg	77	5
Benzo(k)fluoranthene	810		ug/kg	77	5
Chrysene	1800		ug/kg	77	5
Acenaphthylene	83		ug/kg	77	5
Anthracene	260		ug/kg	77	5
Benzo(ghi)perylene	850		ug/kg	77	5
Fluorene	110		ug/kg	77	5
Phenanthrene	1100		ug/kg	77	5
Dibenzo(a,h)anthracene	310		ug/kg	77	5
Indeno(1,2,3-cd)Pyrene	850		ug/kg	77	5
Pyrene	2300		ug/kg	77	5
2-Methylnaphthalene	ND		ug/kg	77	5
Pentachlorophenol	ND		ug/kg	310	5
Hexachlorobenzene	ND		ug/kg	310	5
Hexachloroethane	ND		ug/kg	310	5

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	104		19-120
4-Terphenyl-d14	93		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/04/09 11:29
Analytical Date:	06/05/09 17:17		
Analyst:	AK		
Percent Solids:	87%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	62		43-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	74		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 09:44
Analytical Date:	06/05/09 13:29		
Analyst:	HL		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	18	1
2-Chloronaphthalene	ND		ug/kg	18	1
Fluoranthene	700		ug/kg	18	1
Hexachlorobutadiene	ND		ug/kg	46	1
Naphthalene	23		ug/kg	18	1
Benzo(a)anthracene	350		ug/kg	18	1
Benzo(a)pyrene	330		ug/kg	18	1
Benzo(b)fluoranthene	430		ug/kg	18	1
Benzo(k)fluoranthene	140		ug/kg	18	1
Chrysene	350		ug/kg	18	1
Acenaphthylene	ND		ug/kg	18	1
Anthracene	98		ug/kg	18	1
Benzo(ghi)perylene	210		ug/kg	18	1
Fluorene	38		ug/kg	18	1
Phenanthrene	390		ug/kg	18	1
Dibenzo(a,h)anthracene	62		ug/kg	18	1
Indeno(1,2,3-cd)Pyrene	180		ug/kg	18	1
Pyrene	620		ug/kg	18	1
2-Methylnaphthalene	ND		ug/kg	18	1
Pentachlorophenol	ND		ug/kg	73	1
Hexachlorobenzene	ND		ug/kg	73	1
Hexachloroethane	ND		ug/kg	73	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		25-120
Phenol-d6	25		10-120
Nitrobenzene-d5	27		23-120
2-Fluorobiphenyl	**25**		30-120
2,4,6-Tribromophenol	27		19-120
4-Terphenyl-d14	27		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/04/09 11:29
Analytical Date:	06/05/09 17:42		
Analyst:	AK		
Percent Solids:	73%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	79		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	72		43-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	96		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/08/09 18:10
Analytical Date:	06/09/09 14:23		
Analyst:	AK		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	460	1
Bis(2-chloroethyl)ether	ND		ug/kg	460	1
1,2-Dichlorobenzene	ND		ug/kg	460	1
1,3-Dichlorobenzene	ND		ug/kg	460	1
1,4-Dichlorobenzene	ND		ug/kg	460	1
3,3'-Dichlorobenzidine	ND		ug/kg	910	1
2,4-Dinitrotoluene	ND		ug/kg	460	1
2,6-Dinitrotoluene	ND		ug/kg	460	1
4-Chlorophenyl phenyl ether	ND		ug/kg	460	1
4-Bromophenyl phenyl ether	ND		ug/kg	460	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	1
Bis(2-chloroethoxy)methane	ND		ug/kg	460	1
Hexachlorocyclopentadiene	ND		ug/kg	910	1
Isophorone	ND		ug/kg	460	1
Nitrobenzene	ND		ug/kg	460	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	1
n-Nitrosodi-n-propylamine	ND		ug/kg	460	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	910	1
Butyl benzyl phthalate	ND		ug/kg	460	1
Di-n-butylphthalate	ND		ug/kg	460	1
Di-n-octylphthalate	ND		ug/kg	460	1
Diethyl phthalate	ND		ug/kg	460	1
Dimethyl phthalate	ND		ug/kg	460	1
Biphenyl	ND		ug/kg	460	1
4-Chloroaniline	ND		ug/kg	460	1
2-Nitroaniline	ND		ug/kg	460	1
3-Nitroaniline	ND		ug/kg	460	1
4-Nitroaniline	ND		ug/kg	640	1
Dibenzofuran	ND		ug/kg	460	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	1

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1800	1
2,4,6-Trichlorophenol	ND		ug/kg	460	1
P-Chloro-M-Cresol	ND		ug/kg	460	1
2-Chlorophenol	ND		ug/kg	550	1
2,4-Dichlorophenol	ND		ug/kg	910	1
2,4-Dimethylphenol	ND		ug/kg	460	1
2-Nitrophenol	ND		ug/kg	1800	1
4-Nitrophenol	ND		ug/kg	910	1
2,4-Dinitrophenol	ND		ug/kg	1800	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	1
Phenol	ND		ug/kg	640	1
2-Methylphenol	ND		ug/kg	550	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	1
2,4,5-Trichlorophenol	ND		ug/kg	460	1
Benzoic Acid	ND		ug/kg	4600	1
Benzyl Alcohol	ND		ug/kg	910	1
Carbazole	ND		ug/kg	460	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	81		19-120
4-Terphenyl-d14	66		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:28
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG364610-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:28
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG364610-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	65		19-120
4-Terphenyl-d14	78		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:01
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,05 Batch: WG364612-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/02/09 15:01
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/01/09 11:21

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,05 Batch: WG364612-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	63		19-120
4-Terphenyl-d14	74		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 12:23
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 09:37

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG365173-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 12:23
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 09:37

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG365173-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	41		19-120
4-Terphenyl-d14	53		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 11:27
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/04/09 09:44

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,07 Batch: WG365174-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 11:27
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/04/09 09:44

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,07 Batch: WG365174-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	39		30-120
2,4,6-Tribromophenol	41		19-120
4-Terphenyl-d14	48		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 15:12
Analyst: AK
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 3510C
Extraction Date: 06/04/09 11:29

Parameter	Result	Qualifier	Units	RDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG365187-1				
Hexachlorobenzene	ND		ug/l	25
2,4-Dinitrotoluene	ND		ug/l	30
Hexachlorobutadiene	ND		ug/l	50
Hexachloroethane	ND		ug/l	25
Nitrobenzene	ND		ug/l	25
2,4,6-Trichlorophenol	ND		ug/l	25
Pentachlorophenol	ND		ug/l	50
2-Methylphenol	ND		ug/l	30
3-Methylphenol/4-Methylphenol	ND		ug/l	30
2,4,5-Trichlorophenol	ND		ug/l	25
Pyridine	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	74		43-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	81		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/09/09 13:10
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/08/09 18:10

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG365829-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/09/09 13:10
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/08/09 18:10

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG365829-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	106		19-120
4-Terphenyl-d14	100		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG364610-2 WG364610-3					
1,2,4-Trichlorobenzene	62	64	38-107	3	50
1,2-Dichlorobenzene	58	63	40-140	8	50
1,4-Dichlorobenzene	58	59	28-104	2	50
2,4-Dinitrotoluene	81	83	28-89	2	50
2,6-Dinitrotoluene	74	72	40-140	3	50
4-Chlorophenyl phenyl ether	82	79	40-140	4	50
n-Nitrosodi-n-propylamine	64	63	41-126	2	50
Butyl benzyl phthalate	90	98	40-140	9	50
P-Chloro-M-Cresol	79	80	26-103	1	50
2-Chlorophenol	62	64	25-102	3	50
2-Nitrophenol	60	64	30-130	6	50
4-Nitrophenol	79	84	11-114	6	50
2,4-Dinitrophenol	8	6	4-130	30	50
Pentachlorophenol	61	58	17-109	5	50
Phenol	63	64	26-90	2	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG364610-2 WG364610-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		62		25-120
Phenol-d6	65		65		10-120
Nitrobenzene-d5	63		65		23-120
2-Fluorobiphenyl	69		69		30-120
2,4,6-Tribromophenol	96		91		19-120
4-Terphenyl-d14	92		93		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,05 Batch: WG364612-2 WG364612-3

Acenaphthene	64	68	31-137	6	50
2-Chloronaphthalene	84	88	40-140	5	50
Fluoranthene	91	90	40-140	1	50
Anthracene	80	88	40-140	10	50
Pyrene	93	88	35-142	6	50
Pentachlorophenol	31	37	17-109	18	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,05 Batch: WG364612-2 WG364612-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		63		25-120
Phenol-d6	59		66		10-120
Nitrobenzene-d5	61		69		23-120
2-Fluorobiphenyl	63		67		30-120
2,4,6-Tribromophenol	73		90		19-120
4-Terphenyl-d14	86		87		18-120

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG365173-2 WG365173-3

1,2,4-Trichlorobenzene	69	65	38-107	6	50
1,2-Dichlorobenzene	71	67	40-140	6	50
1,4-Dichlorobenzene	69	66	28-104	4	50
2,4-Dinitrotoluene	81	75	28-89	8	50
2,6-Dinitrotoluene	79	71	40-140	11	50
4-Chlorophenyl phenyl ether	77	71	40-140	8	50
n-Nitrosodi-n-propylamine	74	69	41-126	7	50
Butyl benzyl phthalate	82	76	40-140	8	50
P-Chloro-M-Cresol	84	77	26-103	9	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG365173-2 WG365173-3					
2-Chlorophenol	76	73	25-102	4	50
2-Nitrophenol	76	72	30-130	5	50
4-Nitrophenol	76	69	11-114	10	50
2,4-Dinitrophenol	18	16	4-130	12	50
Pentachlorophenol	49	48	17-109	2	50
Phenol	81	76	26-90	6	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		77		25-120
Phenol-d6	76		77		10-120
Nitrobenzene-d5	73		74		23-120
2-Fluorobiphenyl	71		70		30-120
2,4,6-Tribromophenol	86		87		19-120
4-Terphenyl-d14	76		76		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,07 Batch: WG365174-2 WG365174-3					
Acenaphthene	60	54	31-137	11	50
2-Chloronaphthalene	111	113	40-140	2	50
Fluoranthene	93	64	40-140	37	50
Anthracene	77	63	40-140	20	50
Pyrene	93	64	35-142	37	50
Pentachlorophenol	23	26	17-109	12	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		57		25-120
Phenol-d6	52		56		10-120
Nitrobenzene-d5	52		61		23-120
2-Fluorobiphenyl	53		59		30-120
2,4,6-Tribromophenol	19		38		19-120
4-Terphenyl-d14	83		60		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG365187-2 WG365187-3					
Hexachlorobenzene	76	79	71-100	4	30
2,4-Dinitrotoluene	77	78	64-99	1	30
Hexachlorobutadiene	67	57	10-100	16	30
Hexachloroethane	64	56	13-82	13	30
Nitrobenzene	80	67	41-101	18	30
2,4,6-Trichlorophenol	81	71	53-99	13	30
Pentachlorophenol	59	56	55-112	5	30
2-Methylphenol	74	63	45-84	16	30
3-Methylphenol/4-Methylphenol	74	64	47-86	14	30
2,4,5-Trichlorophenol	82	82	60-104	0	30
Pyridine	51	47	0-100	8	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		62		21-120
Phenol-d6	70		60		10-120
Nitrobenzene-d5	76		62		23-120
2-Fluorobiphenyl	72		60		43-120
2,4,6-Tribromophenol	82		80		10-120
4-Terphenyl-d14	81		83		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG365829-2 WG365829-3					
1,2,4-Trichlorobenzene	77	91	38-107	17	50
1,2-Dichlorobenzene	78	91	40-140	15	50
1,4-Dichlorobenzene	77	91	28-104	17	50
2,4-Dinitrotoluene	87	**100**	28-89	14	50
2,6-Dinitrotoluene	86	102	40-140	17	50
4-Chlorophenyl phenyl ether	80	96	40-140	18	50
n-Nitrosodi-n-propylamine	81	93	41-126	14	50
Butyl benzyl phthalate	90	105	40-140	15	50
P-Chloro-M-Cresol	90	**109**	26-103	19	50
2-Chlorophenol	83	95	25-102	13	50
2-Nitrophenol	86	99	30-130	14	50
4-Nitrophenol	87	103	11-114	17	50
2,4-Dinitrophenol	43	16	4-130	**92**	50
Pentachlorophenol	63	76	17-109	19	50
Phenol	87	**99**	26-90	13	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0906981

Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG365829-2 WG365829-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		94		25-120
Phenol-d6	86		92		10-120
Nitrobenzene-d5	82		89		23-120
2-Fluorobiphenyl	79		88		30-120
2,4,6-Tribromophenol	92		99		19-120
4-Terphenyl-d14	80		90		18-120

PETROLEUM HYDROCARBONS

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/02/09 01:53
Analytical Date:	06/02/09 22:28		
Analyst:	RT		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	255000		ug/kg	194000	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	68		40-140

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/02/09 01:53
Analytical Date:	06/03/09 11:49		
Analyst:	RT		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	ND		ug/kg	38300	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/02/09 01:53
Analytical Date:	06/03/09 12:29		
Analyst:	RT		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	284000		ug/kg	192000	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/02/09 01:53
Analytical Date:	06/03/09 11:54		
Analyst:	RT		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	402000		ug/kg	228000	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/02/09 18:59
Analyst: RT

Extraction Method: EPA 3546
Extraction Date: 06/02/09 01:53

Parameter	Result	Qualifier	Units	RDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364757-1				
TPH	ND		ug/kg	33300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0906981

Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364757-2					
TPH	76	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364757-3 QC Sample: L0906980-03 Client ID: DUP Sample					
TPH	1550000	1300000	ug/kg	18	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		66		40-140

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/02/09 13:33
Analytical Date:	06/05/09 19:56	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/04/09
Percent Solids:	86%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.8	1
Aroclor 1221	ND		ug/kg	38.8	1
Aroclor 1232	ND		ug/kg	38.8	1
Aroclor 1242	ND		ug/kg	38.8	1
Aroclor 1248	ND		ug/kg	38.8	1
Aroclor 1254	ND		ug/kg	38.8	1
Aroclor 1260	ND		ug/kg	38.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 20:21	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	87%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.3	1
Aroclor 1221	ND		ug/kg	38.3	1
Aroclor 1232	ND		ug/kg	38.3	1
Aroclor 1242	ND		ug/kg	38.3	1
Aroclor 1248	ND		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	38.3	1
Aroclor 1260	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 20:33	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	87%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	38.3	1
Aroclor 1221	ND		ug/kg	38.3	1
Aroclor 1232	ND		ug/kg	38.3	1
Aroclor 1242	ND		ug/kg	38.3	1
Aroclor 1248	ND		ug/kg	38.3	1
Aroclor 1254	ND		ug/kg	38.3	1
Aroclor 1260	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:57
Analytical Date:	06/05/09 20:46	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	73%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	45.7	1
Aroclor 1221	ND		ug/kg	45.7	1
Aroclor 1232	ND		ug/kg	45.7	1
Aroclor 1242	ND		ug/kg	45.7	1
Aroclor 1248	ND		ug/kg	45.7	1
Aroclor 1254	ND		ug/kg	45.7	1
Aroclor 1260	ND		ug/kg	45.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/04/09 06:10
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 06/02/09 13:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/03/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG364823-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/05/09 18:06
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/02/09 14:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/04/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,05,07 Batch: WG364848-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG364823-2 WG364823-3					
Aroclor 1016	75	102	40-140	**31**	30
Aroclor 1260	57	58	40-140	2	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		79		30-150	A
Decachlorobiphenyl	54		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		68		30-150	B
Decachlorobiphenyl	82		66		30-150	B

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,05,07 Batch: WG364848-2 WG364848-3					
Aroclor 1016	78	58	40-140	29	30
Aroclor 1260	78	59	40-140	28	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		45		30-150	A
Decachlorobiphenyl	79		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		46		30-150	B
Decachlorobiphenyl	83		66		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/08/09 10:47	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.88	1
Lindane	ND		ug/kg	3.88	1
Alpha-BHC	ND		ug/kg	3.88	1
Beta-BHC	ND		ug/kg	3.88	1
Heptachlor	ND		ug/kg	3.88	1
Aldrin	ND		ug/kg	3.88	1
Heptachlor epoxide	ND		ug/kg	3.88	1
Endrin	ND		ug/kg	3.88	1
Endrin ketone	ND		ug/kg	3.88	1
Dieldrin	ND		ug/kg	3.88	1
4,4'-DDE	ND		ug/kg	3.88	1
4,4'-DDD	ND		ug/kg	3.88	1
4,4'-DDT	ND		ug/kg	3.88	1
Endosulfan I	ND		ug/kg	3.88	1
Endosulfan II	ND		ug/kg	3.88	1
Endosulfan sulfate	ND		ug/kg	3.88	1
Methoxychlor	ND		ug/kg	15.5	1
trans-Chlordane	ND		ug/kg	3.88	1
Chlordane	ND		ug/kg	38.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**28**		30-150	B
Decachlorobiphenyl	**27**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/04/09 07:52
Analytical Date:	06/08/09 14:17	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/05/09
Percent Solids:	86%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 20:39		
Analyst:	JB		
Percent Solids:	86%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	54		30-150	A
DCAA	62		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/04/09 19:59	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.83	1
Lindane	ND		ug/kg	3.83	1
Alpha-BHC	ND		ug/kg	3.83	1
Beta-BHC	ND		ug/kg	3.83	1
Heptachlor	ND		ug/kg	3.83	1
Aldrin	ND		ug/kg	3.83	1
Heptachlor epoxide	ND		ug/kg	3.83	1
Endrin	ND		ug/kg	3.83	1
Endrin ketone	ND		ug/kg	3.83	1
Dieldrin	ND		ug/kg	3.83	1
4,4'-DDE	ND		ug/kg	3.83	1
4,4'-DDD	ND		ug/kg	3.83	1
4,4'-DDT	ND		ug/kg	3.83	1
Endosulfan I	ND		ug/kg	3.83	1
Endosulfan II	ND		ug/kg	3.83	1
Endosulfan sulfate	ND		ug/kg	3.83	1
Methoxychlor	ND		ug/kg	15.3	1
trans-Chlordane	ND		ug/kg	3.83	1
Chlordane	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**29**		30-150	B
Decachlorobiphenyl	31		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/04/09 07:52
Analytical Date:	06/08/09 14:30	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/05/09
Percent Solids:	87%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 20:59		
Analyst:	JB		
Percent Solids:	87%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	48		30-150	A
DCAA	52		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/04/09 20:12	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	3.83	1
Lindane	ND		ug/kg	3.83	1
Alpha-BHC	ND		ug/kg	3.83	1
Beta-BHC	ND		ug/kg	3.83	1
Heptachlor	ND		ug/kg	3.83	1
Aldrin	ND		ug/kg	3.83	1
Heptachlor epoxide	ND		ug/kg	3.83	1
Endrin	ND		ug/kg	3.83	1
Endrin ketone	ND		ug/kg	3.83	1
Dieldrin	ND		ug/kg	3.83	1
4,4'-DDE	ND		ug/kg	3.83	1
4,4'-DDD	ND		ug/kg	3.83	1
4,4'-DDT	ND		ug/kg	3.83	1
Endosulfan I	ND		ug/kg	3.83	1
Endosulfan II	ND		ug/kg	3.83	1
Endosulfan sulfate	ND		ug/kg	3.83	1
Methoxychlor	ND		ug/kg	15.3	1
trans-Chlordane	ND		ug/kg	3.83	1
Chlordane	ND		ug/kg	38.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/04/09 07:52
Analytical Date:	06/08/09 14:43	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/05/09
Percent Solids:	87%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 21:19		
Analyst:	JB		
Percent Solids:	87%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	48		30-150	A
DCAA	57		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/01/09 21:30
Analytical Date:	06/08/09 15:37	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/03/09
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	114	25
Lindane	ND		ug/kg	114	25
Alpha-BHC	ND		ug/kg	114	25
Beta-BHC	ND		ug/kg	114	25
Heptachlor	ND		ug/kg	114	25
Aldrin	ND		ug/kg	114	25
Heptachlor epoxide	ND		ug/kg	114	25
Endrin	ND		ug/kg	114	25
Endrin ketone	ND		ug/kg	114	25
Dieldrin	ND		ug/kg	114	25
4,4'-DDE	ND		ug/kg	114	25
4,4'-DDD	ND		ug/kg	114	25
4,4'-DDT	ND		ug/kg	114	25
Endosulfan I	ND		ug/kg	114	25
Endosulfan II	ND		ug/kg	114	25
Endosulfan sulfate	ND		ug/kg	114	25
Methoxychlor	ND		ug/kg	457	25
trans-Chlordane	ND		ug/kg	114	25
Chlordane	ND		ug/kg	1140	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/04/09 07:52
Analytical Date:	06/08/09 14:56	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/05/09
Percent Solids:	73%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 21:39		
Analyst:	JB		
Percent Solids:	73%		
TCLP/SPLP Ext. Date	06/01/09 16:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	44		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/04/09 17:47
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/01/09 21:30
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/03/09

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364734-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082/8081
Analytical Date: 06/08/09 13:37
Analyst: JB
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 3510C
Extraction Date: 06/04/09 07:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/05/09

Parameter	Result	Qualifier	Units	RDL
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG365161-1				
Lindane	ND		ug/l	0.100
Heptachlor	ND		ug/l	0.100
Heptachlor epoxide	ND		ug/l	0.100
Endrin	ND		ug/l	0.200
Methoxychlor	ND		ug/l	1.00
Toxaphene	ND		ug/l	1.00
Chlordane	ND		ug/l	1.00

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/08/09 19:39
Analyst: JB
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 8151A
Extraction Date: 06/06/09 07:17

Parameter	Result	Qualifier	Units	RDL
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG365611-1				
2,4-D	ND		mg/l	0.025
2,4,5-TP (Silvex)	ND		mg/l	0.003

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	43		30-150	A
DCAA	41		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364734-2 WG364734-3					
Delta-BHC	63	69	30-150	9	30
Lindane	60	67	30-150	11	30
Alpha-BHC	58	66	30-150	13	30
Beta-BHC	63	70	30-150	11	30
Heptachlor	59	66	30-150	11	30
Aldrin	60	66	30-150	10	30
Heptachlor epoxide	70	72	30-150	3	30
Endrin	67	69	30-150	3	30
Endrin ketone	62	66	30-150	6	30
Dieldrin	69	71	30-150	3	30
4,4'-DDE	70	74	30-150	6	30
4,4'-DDD	72	76	30-150	5	30
4,4'-DDT	65	69	30-150	6	30
Endosulfan I	67	69	30-150	3	30
Endosulfan II	68	70	30-150	3	30
Endosulfan sulfate	59	64	30-150	8	30
Methoxychlor	64	68	30-150	6	30
trans-Chlordane	64	66	30-150	3	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364734-2 WG364734-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		70		30-150	A
Decachlorobiphenyl	73		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		60		30-150	B
Decachlorobiphenyl	60		58		30-150	B

TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG365161-2 WG365161-3					
Lindane	65	66	30-150	2	20
Heptachlor	62	63	30-150	1	20
Heptachlor epoxide	80	81	30-150	1	20
Endrin	78	78	30-150	1	20
Methoxychlor	78	74	30-150	5	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG365161-2 WG365161-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		66		30-150	A
Decachlorobiphenyl	100		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		60		30-150	B
Decachlorobiphenyl	64		74		30-150	B

TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG365611-2 WG365611-3					
2,4-D	116	97	30-150	18	25
2,4,5-TP (Silvex)	52	42	30-150	21	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		47		30-150	A
DCAA	68		53		30-150	B

METALS

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	06/01/09 16:40
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG
Barium, TCLP	0.94		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	06/02/09 17:35	06/03/09 11:46	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:24	EPA 3015	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-01 Date Collected: 05/29/09 08:05

Client ID: COMP 1 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	8200		mg/kg	4.2	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Antimony, Total	2.7		mg/kg	2.1	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Arsenic, Total	10		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Barium, Total	220		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Beryllium, Total	0.62		mg/kg	0.21	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Calcium, Total	4000		mg/kg	4.2	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Chromium, Total	26		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Cobalt, Total	7.8		mg/kg	0.85	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Copper, Total	140		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Iron, Total	23000		mg/kg	11	5	05/30/09 13:00	06/04/09 18:38	EPA 3050B	1,6010B	AI
Lead, Total	340		mg/kg	2.1	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Magnesium, Total	2100		mg/kg	4.2	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Manganese, Total	230		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Mercury, Total	2.4		mg/kg	0.44	5	06/03/09 19:30	06/04/09 14:31	EPA 7471A	1,7471A	EZ
Nickel, Total	18		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Potassium, Total	1300		mg/kg	110	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Selenium, Total	1.2		mg/kg	0.85	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Silver, Total	0.50		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Sodium, Total	760		mg/kg	85	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.85	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Vanadium, Total	26		mg/kg	0.42	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI
Zinc, Total	220		mg/kg	2.1	1	05/30/09 13:00	06/03/09 21:13	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-03 Date Collected: 05/29/09 09:00

Client ID: COMP 2 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 06/01/09 16:40

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	06/02/09 17:35	06/03/09 11:51	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:27	EPA 3015	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-03 Date Collected: 05/29/09 09:00

Client ID: COMP 2 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	10000		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Arsenic, Total	6.0		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Barium, Total	110		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Beryllium, Total	0.60		mg/kg	0.22	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Calcium, Total	1900		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Chromium, Total	22		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Cobalt, Total	8.4		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Copper, Total	78		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Iron, Total	23000		mg/kg	11	5	05/30/09 13:00	06/04/09 18:41	EPA 3050B	1,6010B	AI
Lead, Total	260		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Magnesium, Total	2600		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Manganese, Total	380		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Mercury, Total	0.30		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:26	EPA 7471A	1,7471A	EZ
Nickel, Total	16		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Potassium, Total	1600		mg/kg	110	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Selenium, Total	1.0		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Sodium, Total	890		mg/kg	90	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Vanadium, Total	31		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI
Zinc, Total	140		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:16	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-05 Date Collected: 05/29/09 09:30

Client ID: COMP 3 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 06/01/09 16:40

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG
Barium, TCLP	0.84		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	06/02/09 17:35	06/03/09 11:53	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:29	EPA 3015	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-05 Date Collected: 05/29/09 09:30

Client ID: COMP 3 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	7400		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Arsenic, Total	8.0		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Barium, Total	210		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Beryllium, Total	0.55		mg/kg	0.22	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Cadmium, Total	0.45		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Calcium, Total	5600		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Chromium, Total	36		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Cobalt, Total	7.0		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Copper, Total	300		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Iron, Total	20000		mg/kg	11	5	05/30/09 13:00	06/04/09 18:44	EPA 3050B	1,6010B	AI
Lead, Total	400		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Magnesium, Total	2900		mg/kg	4.5	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Manganese, Total	280		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Mercury, Total	1.5		mg/kg	0.09	1	06/03/09 19:30	06/04/09 13:28	EPA 7471A	1,7471A	EZ
Nickel, Total	26		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Potassium, Total	1200		mg/kg	110	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Selenium, Total	1.2		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Silver, Total	0.62		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Sodium, Total	770		mg/kg	90	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.90	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Vanadium, Total	27		mg/kg	0.45	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI
Zinc, Total	240		mg/kg	2.2	1	05/30/09 13:00	06/03/09 21:19	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-07 Date Collected: 05/29/09 10:50

Client ID: COMP 8 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 06/01/09 16:40

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG
Barium, TCLP	3.3		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG
Lead, TCLP	6.6		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	06/02/09 17:35	06/03/09 11:58	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:32	EPA 3015	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-07 Date Collected: 05/29/09 10:50

Client ID: COMP 8 Date Received: 05/29/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	4100		mg/kg	5.3	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Antimony, Total	4.2		mg/kg	2.7	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Arsenic, Total	11		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Barium, Total	680		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Beryllium, Total	1.3		mg/kg	0.27	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Cadmium, Total	1.2		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Calcium, Total	10000		mg/kg	5.3	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Chromium, Total	16		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Cobalt, Total	8.1		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Copper, Total	290		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Iron, Total	28000		mg/kg	13	5	05/30/09 13:00	06/04/09 18:47	EPA 3050B	1,6010B	AI
Lead, Total	750		mg/kg	2.7	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Magnesium, Total	1100		mg/kg	5.3	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Manganese, Total	250		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Mercury, Total	1.5		mg/kg	0.10	1	06/03/09 19:30	06/04/09 13:30	EPA 7471A	1,7471A	EZ
Nickel, Total	120		mg/kg	1.3	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Potassium, Total	600		mg/kg	130	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Selenium, Total	2.2		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Silver, Total	0.77		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Sodium, Total	750		mg/kg	110	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	1.1	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Vanadium, Total	21		mg/kg	0.53	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI
Zinc, Total	780		mg/kg	2.7	1	05/30/09 13:00	06/03/09 21:22	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364554-1									
Aluminum, Total	ND		mg/kg	4.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Antimony, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Arsenic, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Barium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Beryllium, Total	ND		mg/kg	0.20	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Calcium, Total	ND		mg/kg	4.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Chromium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Cobalt, Total	ND		mg/kg	0.80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Copper, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Iron, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Lead, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Magnesium, Total	ND		mg/kg	4.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Manganese, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Nickel, Total	ND		mg/kg	1.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Potassium, Total	ND		mg/kg	100	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Silver, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Sodium, Total	ND		mg/kg	80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Thallium, Total	ND		mg/kg	0.80	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Vanadium, Total	ND		mg/kg	0.40	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI
Zinc, Total	ND		mg/kg	2.0	1	05/30/09 13:00	06/03/09 20:14	1,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364826-1									
Barium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/01/09 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364826-1									
Arsenic, TCLP	ND		mg/l	1.0	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG
Selenium, TCLP	ND		mg/l	0.50	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	06/02/09 13:15	06/02/09 15:03	1,6010B	MG

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/01/09 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364900-1									
Mercury, TCLP	ND		mg/l	0.0010	1	06/02/09 17:35	06/03/09 11:42	1,7470A	EZ

Prep Information

Digestion Method: EPA 7470A

TCLP Extraction Date: 06/01/09 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07 Batch: WG365119-1									
Mercury, Total	ND		mg/kg	0.08	1	06/03/09 19:30	06/04/09 13:01	1,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364554-2					
Aluminum, Total	101	-	75-125	-	
Antimony, Total	102	-	75-125	-	
Arsenic, Total	102	-	75-125	-	
Barium, Total	103	-	75-125	-	
Beryllium, Total	107	-	75-125	-	
Cadmium, Total	110	-	75-125	-	
Calcium, Total	97	-	75-125	-	
Chromium, Total	106	-	75-125	-	
Cobalt, Total	107	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	104	-	75-125	-	
Lead, Total	100	-	75-125	-	
Magnesium, Total	94	-	75-125	-	
Manganese, Total	102	-	75-125	-	
Nickel, Total	102	-	75-125	-	
Potassium, Total	99	-	75-125	-	
Selenium, Total	102	-	75-125	-	
Silver, Total	102	-	75-125	-	
Sodium, Total	94	-	75-125	-	
Thallium, Total	96	-	75-125	-	
Vanadium, Total	107	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364554-2					
Zinc, Total	102	-	75-125	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364826-2					
Arsenic, TCLP	110	-	75-125	-	20
Barium, TCLP	96	-	75-125	-	20
Cadmium, TCLP	110	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	100	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364900-2					
Mercury, TCLP	96	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG365119-2					
Mercury, Total	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364554-4 QC Sample: L0906979-01 Client ID: MS Sample									
Aluminum, Total	7200	81.3	7400	**246**	-	-	75-125	-	35
Antimony, Total	ND	20.3	12	**59**	-	-	75-125	-	35
Arsenic, Total	4.6	4.88	9.8	107	-	-	75-125	-	35
Barium, Total	26	81.3	110	103	-	-	75-125	-	35
Beryllium, Total	0.35	2.03	2.4	101	-	-	75-125	-	35
Cadmium, Total	ND	2.07	2.1	101	-	-	75-125	-	35
Calcium, Total	1000	406	1600	**148**	-	-	75-125	-	35
Chromium, Total	18	8.13	40	**271**	-	-	75-125	-	35
Cobalt, Total	3.6	20.3	23	95	-	-	75-125	-	35
Copper, Total	8.9	10.2	20	109	-	-	75-125	-	35
Iron, Total	8000	40.6	8100	**246**	-	-	75-125	-	35
Lead, Total	3.8	20.7	22	88	-	-	75-125	-	35
Magnesium, Total	3000	406	3700	**172**	-	-	75-125	-	35
Manganese, Total	98	20.3	120	108	-	-	75-125	-	35
Nickel, Total	13	20.3	36	113	-	-	75-125	-	35
Potassium, Total	1900	406	2600	**172**	-	-	75-125	-	35
Selenium, Total	ND	4.88	4.8	98	-	-	75-125	-	35
Silver, Total	ND	12.2	12	98	-	-	75-125	-	35
Sodium, Total	140	406	500	88	-	-	75-125	-	35
Thallium, Total	ND	4.88	4.2	86	-	-	75-125	-	35
Vanadium, Total	15	20.3	35	98	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0906981
Report Date: 06/09/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364554-4 QC Sample: L0906979-01 Client ID: MS Sample									
Zinc, Total	37	20.3	60	113	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364826-4 QC Sample: L0906988-01 Client ID: MS Sample									
Arsenic, TCLP	ND	10	10	100	-	-	75-125	-	20
Barium, TCLP	0.53	100	95	94	-	-	75-125	-	20
Cadmium, TCLP	ND	10	11	110	-	-	75-125	-	20
Chromium, TCLP	ND	10	10	100	-	-	75-125	-	20
Lead, TCLP	ND	10	10	100	-	-	75-125	-	20
Selenium, TCLP	ND	20	20	100	-	-	75-125	-	20
Silver, TCLP	ND	10	9.6	96	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364900-4 QC Sample: L0906981-01 Client ID: COMP 1									
Mercury, TCLP	ND	0.005	0.0057	114	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG365119-4 QC Sample: L0906972-01 Client ID: MS Sample									
Mercury, Total	ND	0.175	0.22	126	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364554-3 QC Sample: L0906979-01 Client ID: DUP Sample					
Arsenic, Total	4.6	4.6	mg/kg	0	35
Barium, Total	26	30	mg/kg	14	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	18	23	mg/kg	24	35
Lead, Total	3.8	3.5	mg/kg	8	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364826-3 QC Sample: L0906988-01 Client ID: DUP Sample					
Lead, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364900-3 QC Sample: L0906981-01 Client ID: COMP 1					
Mercury, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG365119-3 QC Sample: L0906972-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-01	Date Collected:	05/29/09 08:05
Client ID:	COMP 1	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-03	Date Collected:	05/29/09 09:00
Client ID:	COMP 2	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-05	Date Collected:	05/29/09 09:30
Client ID:	COMP 3	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

SAMPLE RESULTS

Lab ID:	L0906981-07	Date Collected:	05/29/09 10:50
Client ID:	COMP 8	Date Received:	05/29/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-01
Client ID: COMP 1
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 08:05
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	86		%	0.10	1	-	06/03/09 13:33	30,2540G	MC
pH	8.4		SU	-	1	-	06/02/09 20:20	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/02/09 12:45	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-03
Client ID: COMP 2
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 09:00
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	06/03/09 13:33	30,2540G	MC
pH	7.9		SU	-	1	-	06/02/09 20:20	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/02/09 12:45	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-05
Client ID: COMP 3
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 09:30
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	06/03/09 13:33	30,2540G	MC
pH	9.0		SU	-	1	-	06/02/09 20:20	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/02/09 12:45	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-07
Client ID: COMP 8
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 10:50
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	73		%	0.10	1	-	06/03/09 13:33	30,2540G	MC
pH	8.1		SU	-	1	-	06/02/09 20:20	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/02/09 12:45	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-09
Client ID: GB1-3-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 13:25
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	89		%	0.10	1	-	06/03/09 13:33	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-10
Client ID: GB5-4-5
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/28/09 14:00
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	88		%	0.10	1	-	06/03/09 13:33	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-11
Client ID: GB20-8-9
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 08:35
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	70		%	0.10	1	-	06/03/09 13:33	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

SAMPLE RESULTS

Lab ID: L0906981-12
Client ID: GB9-6-7
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 05/29/09 11:58
Date Received: 05/29/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	06/03/09 13:33	30,2540G	MC

Project Name: RIKERS ISLAND **Lab Number:** L0906981

Project Number: 5817802 **Report Date:** 06/09/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364922-1									
Sulfide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH
General Chemistry - Westborough Lab for sample(s): 01,03,05,07 Batch: WG364924-1									
Cyanide, Reactive	ND		mg/kg	10	1	-	06/02/09 17:30	1,7.3	TH

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364922-2					
Sulfide, Reactive	84	-	60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364924-2					
Cyanide, Reactive	71	-	30-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG364964-1					
pH	100	-		-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364922-3 QC Sample: L0906905-20 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364924-3 QC Sample: L0906905-20 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG364964-2 QC Sample: L0906965-06 Client ID: DUP Sample					
pH	8.2	8.2	SU	0	
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09-12 QC Batch ID: WG365041-1 QC Sample: L0907030-02 Client ID: DUP Sample					
Solids, Total	84	80	%	5	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906981-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0906981-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906981-01C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0906981-01D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L0906981-01E	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0906981-02A	Vial Large unpreserved	A	N/A	2	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0906981-03A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0906981-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906981-03C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0906981-03D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L0906981-03E	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0906981-04A	Vial Large unpreserved	A	N/A	2	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0906981-05A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906981-05B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906981-05C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0906981-05D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L0906981-05E	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0906981-06A	Vial Large unpreserved	A	N/A	2	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0906981-07A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0906981-07B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0906981-07C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0906981-07D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L0906981-07E	Plastic 250ml HNO3 preserved spl	A	<2	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0906981-08A	Vial Large unpreserved	A	N/A	2	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0906981-09A	25 gram Encore Sampler	A	N/A	2	Y	Absent	TS(7),ENCORE-SPLIT()
L0906981-09B	Vial MeOH preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-09C	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-09D	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-10A	25 gram Encore Sampler	A	N/A	2	Y	Absent	TS(7),ENCORE-SPLIT()
L0906981-10B	Vial MeOH preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-10C	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-10D	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-11A	25 gram Encore Sampler	A	N/A	2	Y	Absent	TS(7),ENCORE-SPLIT()

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0906981
Report Date: 06/09/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906981-11B	Vial MeOH preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-11C	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-11D	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-12A	25 gram Encore Sampler	A	N/A	2	Y	Absent	TS(7),ENCORE-SPLIT()
L0906981-12B	Vial MeOH preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-12C	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0906981-12D	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()

Container Comments

L0906981-07D

L0906981-09A

L0906981-10A

L0906981-11A

L0906981-12A

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0906981
Project Number:	5817802	**Report Date:**	06/09/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0906981
Project Number: 5817802 **Report Date:** 06/09/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 9, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671.
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06090918:34

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA TECHNICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/29/09

ALPHA Job #: L0906981

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 8th FLR, New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817802
Project Manager: Jason Hayes
ALPHA Quote #: Rikers Island

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/5/09 Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NJ Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP RCRA metals, SVOCs, pesticides, herbicides	TCLP VOCs	Total # Bottles	Sample Specific Comments
06981.1	Comp 1	5/29	805	S	JFG		X	X	X	X	X	X	X	X			4 jars
2	GB1-2-3	5/28	12:30PM	S	JFG		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		X		only TCLP VOCs
3	Comp 2	5/29	900	S	JFG		X	X	X	X	X	X	X				4 jars
4	GB4-9-10	5/28	1:00PM	S	JFG										X		
5	Comp 3	5/29	9:30	S	JFG		X	X	X	X	X	X	X				4 jars
6	GB5-3-4	5/28	145PM	S	JFG										X		
7	Comp 8	5/29	1050	S	JFG		X	X	X	X	X	X	X				4 jars
8	GB20-9-10	5/29	920	S	JFG										X		
9	GB1-3-4	5/28	125PM	S	JFG	X											Encore
10	GB5-4-5	5/28	200PM	S	JFG	X											Encore
					Container Type	E											
					Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/29 1450	[signature]	5/29/09 1450
[signature]	5/29/09	[signature]	5/29/09 1530
[signature]	5/29/09 2030	[signature]	5/29/09 2030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 5/29/09

ALPHA Job #: L0906981

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 8th FLR
New York, NY 10001
Phone: 212, 479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #:
Project Manager: Jason Hayes
ALPHA Quote #: Rikers Island

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/5/09 Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NJ Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	Sample Specific Comments	Total # Bottles
06981-11	GB20-8-9	5/29	835	S	JFG	X	Encore	
12	GB9-6-7	5/29	1158	S	JFG	X	Encore	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type																
Preservative																

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/29/09 1450	[signature]	5/29/09 1450
[signature]	5/29/09 1535	[signature]	5/29/09 1535
[signature]	5/29/09 2030	[signature]	5/29/09 2030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0907034
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Canouse
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/15/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907034-01	COMP 4	RIKERS ISLAND, NY	06/01/09 10:00
L0907034-02	GB11-7-8	RIKERS ISLAND, NY	06/01/09 10:05
L0907034-03	COMP 5	RIKERS ISLAND, NY	06/01/09 12:35
L0907034-04	GB13-3-4	RIKERS ISLAND, NY	06/01/09 12:30
L0907034-05	GB11-3-4	RIKERS ISLAND, NY	06/01/09 10:05

Project Name: RIKERS ISLAND **Lab Number:** L0907034
Project Number: 5817802 **Report Date:** 06/15/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

The analysis of Volatile Organics was cancelled on samples "Comp 4" and "Comp 5", at the client's request.

Semivolatile Organics-SIM

The surrogate recovery for L0907034-01 was below the acceptance criteria for 2,4,6-Tribromophenol (2%); however, re-analysis achieved similar results. The results of the original analysis are reported
L0907034-03 has elevated detection limits due to the dilution required by the sample matrix.
The surrogate recovery for the WG364842-1 Method Blank, associated with L0907034-03, is below the individual acceptance criteria for 2-Fluorobiphenyl (28%), but within the overall method allowances. The results

Project Name: RIKERS ISLAND **Lab Number:** L0907034
Project Number: 5817802 **Report Date:** 06/15/09

Case Narrative (continued)

of the original analysis are reported.
The WG366023-2/-3 LCS/LCSD RPD associated with L0907034-01 is above the acceptance criteria for 2-Chloronaphthalene (74%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated sample are reported.

Semivolatile Organics
The surrogate recovery for L0907034-01 was below the acceptance criteria for 2,4,6-Tribromophenol (0%); however, re-analysis achieved similar results. The results of the re-analysis are reported
The surrogate recovery for the WG364838-1 Method Blank, associated with L0907034-01 and -03, is below the individual acceptance criteria for 2-Fluorobiphenyl (29%), but within the overall method allowances. The results of the original analysis are reported.

TCLP Semivolatile Organics
The WG366722-2/-3 LCS/LCSD RPD associated with L0907034-03 is above the acceptance criteria for Pyridine (49%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated sample are reported.

Pesticides
L0907034-01 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Metals
L0907034-01 and -03 have elevated detection limits for Iron due to the dilutions required to quantitate the results within the calibration range.
L0907034-03 has an elevated detection limit for Mercury due to the analytical dilution required to quantitate the result within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/15/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-02	Date Collected:	06/01/09 10:05
Client ID:	GB11-7-8	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/08/09 10:35		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-04	Date Collected:	06/01/09 12:30
Client ID:	GB13-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/08/09 10:54		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/04/09 15:55

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	114		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-05	Date Collected:	06/01/09 10:05
Client ID:	GB11-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/04/09 13:55		
Analyst:	PD		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.7	1
Chloroform	ND		ug/kg	1.7	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	3.9	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	1
Tetrachloroethene	ND		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.6	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.6	1
Bromoform	ND		ug/kg	4.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.7	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.6	1
Bromomethane	ND		ug/kg	2.2	1
Vinyl chloride	ND		ug/kg	2.2	1
Chloroethane	ND		ug/kg	2.2	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	1
Trichloroethene	ND		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	1

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-05 Date Collected: 06/01/09 10:05

Client ID: GB11-3-4 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	5.6	1
Methyl tert butyl ether	ND		ug/kg	2.2	1
p/m-Xylene	ND		ug/kg	2.2	1
o-Xylene	ND		ug/kg	2.2	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.2	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	ND		ug/kg	11	1
Carbon disulfide	ND		ug/kg	11	1
2-Butanone	ND		ug/kg	11	1
Vinyl acetate	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.6	1
2,2-Dichloropropane	ND		ug/kg	5.6	1
1,2-Dibromoethane	ND		ug/kg	4.4	1
1,3-Dichloropropane	ND		ug/kg	5.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.6	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.6	1
o-Chlorotoluene	ND		ug/kg	5.6	1
p-Chlorotoluene	ND		ug/kg	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	1
Hexachlorobutadiene	ND		ug/kg	5.6	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.6	1
Acrylonitrile	ND		ug/kg	11	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	1

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-05	Date Collected:	06/01/09 10:05
Client ID:	GB11-3-4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	4.4	1
4-Ethyltoluene	ND		ug/kg	4.4	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	1
Ethyl ether	ND		ug/kg	5.6	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	74		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 05 Batch: WG365238-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 05 Batch: WG365238-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	10
2-Butanone	ND		ug/kg	10
Vinyl acetate	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
Acrylonitrile	ND		ug/kg	10

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/04/09 09:42
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 05 Batch: WG365238-3				
n-Propylbenzene	ND		ug/kg	1.0
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
1,4-Diethylbenzene	ND		ug/kg	4.0
4-Ethyltoluene	ND		ug/kg	4.0
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0
Ethyl ether	ND		ug/kg	5.0
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	80		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/08/09 09:19
Analyst: MM
TCLP Extraction Date: 06/03/09 16:15

Parameter	Result	Qualifier	Units	RDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 02 Batch: WG365720-3				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/08/09 09:38
Analyst: MM
TCLP Extraction Date: 06/04/09 15:55

Parameter	Result	Qualifier	Units	RDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 04 Batch: WG365723-3				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 05 Batch: WG365238-1 WG365238-2					
Chlorobenzene	107	82	60-133	26	30
Benzene	101	76	66-142	28	30
Toluene	101	78	59-139	26	30
1,1-Dichloroethene	98	74	59-172	28	30
Trichloroethene	100	76	62-137	27	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		93		70-130
Toluene-d8	111		91		70-130
4-Bromofluorobenzene	104		85		70-130
Dibromofluoromethane	111		88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 02 Batch: WG365720-1 WG365720-2					
Chloroform	88	91	70-130	3	20
Carbon tetrachloride	84	82	70-130	2	20
Tetrachloroethene	96	96	70-130	0	20
Chlorobenzene	92	95	75-130	3	20
1,2-Dichloroethane	88	88	70-130	0	20
Benzene	88	88	76-127	0	20
Vinyl chloride	91	100	70-130	9	20
1,1-Dichloroethene	97	101	61-145	4	20
Trichloroethene	82	82	71-120	0	20
1,4-Dichlorobenzene	97	96	70-130	1	20
2-Butanone	87	86	70-130	1	20

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		99		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	93		91		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 04 Batch: WG365723-1 WG365723-2					
Chloroform	88	93	70-130	6	20
Carbon tetrachloride	81	81	70-130	0	20
Tetrachloroethene	96	96	70-130	0	20
Chlorobenzene	94	97	75-130	3	20
1,2-Dichloroethane	87	90	70-130	3	20
Benzene	89	89	76-127	0	20
Vinyl chloride	97	100	70-130	3	20
1,1-Dichloroethene	96	99	61-145	3	20
Trichloroethene	81	86	71-120	6	20
1,4-Dichlorobenzene	94	95	70-130	1	20
2-Butanone	92	82	70-130	11	20

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/09/09 10:06		
Analyst:	HL		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	15	1
2-Chloronaphthalene	ND		ug/kg	15	1
Fluoranthene	ND		ug/kg	15	1
Hexachlorobutadiene	ND		ug/kg	37	1
Naphthalene	ND		ug/kg	15	1
Benzo(a)anthracene	ND		ug/kg	15	1
Benzo(a)pyrene	ND		ug/kg	15	1
Benzo(b)fluoranthene	ND		ug/kg	15	1
Benzo(k)fluoranthene	ND		ug/kg	15	1
Chrysene	ND		ug/kg	15	1
Acenaphthylene	ND		ug/kg	15	1
Anthracene	ND		ug/kg	15	1
Benzo(ghi)perylene	ND		ug/kg	15	1
Fluorene	ND		ug/kg	15	1
Phenanthrene	ND		ug/kg	15	1
Dibenzo(a,h)anthracene	ND		ug/kg	15	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	15	1
Pyrene	ND		ug/kg	15	1
2-Methylnaphthalene	ND		ug/kg	15	1
Pentachlorophenol	ND		ug/kg	60	1
Hexachlorobenzene	ND		ug/kg	60	1
Hexachloroethane	ND		ug/kg	60	1

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	42		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	**2**		19-120
4-Terphenyl-d14	48		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/09/09 15:59		
Analyst:	AK		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	750	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
4-Chlorophenyl phenyl ether	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorocyclopentadiene	ND		ug/kg	750	1
Isophorone	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	1
n-Nitrosodi-n-propylamine	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Biphenyl	ND		ug/kg	370	1
4-Chloroaniline	ND		ug/kg	370	1
2-Nitroaniline	ND		ug/kg	370	1
3-Nitroaniline	ND		ug/kg	370	1
4-Nitroaniline	ND		ug/kg	520	1
Dibenzofuran	ND		ug/kg	370	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	1

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-01 Date Collected: 06/01/09 10:00

Client ID: COMP 4 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	370	1
P-Chloro-M-Cresol	ND		ug/kg	370	1
2-Chlorophenol	ND		ug/kg	450	1
2,4-Dichlorophenol	ND		ug/kg	750	1
2,4-Dimethylphenol	ND		ug/kg	370	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	750	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	520	1
2-Methylphenol	ND		ug/kg	450	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	450	1
2,4,5-Trichlorophenol	ND		ug/kg	370	1
Benzoic Acid	ND		ug/kg	3700	1
Benzyl Alcohol	ND		ug/kg	750	1
Carbazole	ND		ug/kg	370	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	**0**		19-120
4-Terphenyl-d14	58		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/04/09 11:29
Analytical Date:	06/06/09 16:44		
Analyst:	AK		
Percent Solids:	89%		
TCLP/SPLP Ext. Date	06/02/09 15:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	71		43-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	81		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:16
Analytical Date:	06/08/09 20:32		
Analyst:	AK		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	400	1
Bis(2-chloroethyl)ether	ND		ug/kg	400	1
1,2-Dichlorobenzene	ND		ug/kg	400	1
1,3-Dichlorobenzene	ND		ug/kg	400	1
1,4-Dichlorobenzene	ND		ug/kg	400	1
3,3'-Dichlorobenzidine	ND		ug/kg	800	1
2,4-Dinitrotoluene	ND		ug/kg	400	1
2,6-Dinitrotoluene	ND		ug/kg	400	1
4-Chlorophenyl phenyl ether	ND		ug/kg	400	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	1
Hexachlorocyclopentadiene	ND		ug/kg	800	1
Isophorone	ND		ug/kg	400	1
Nitrobenzene	ND		ug/kg	400	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1200	1
n-Nitrosodi-n-propylamine	ND		ug/kg	400	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	800	1
Butyl benzyl phthalate	ND		ug/kg	400	1
Di-n-butylphthalate	ND		ug/kg	400	1
Di-n-octylphthalate	ND		ug/kg	400	1
Diethyl phthalate	ND		ug/kg	400	1
Dimethyl phthalate	ND		ug/kg	400	1
Biphenyl	ND		ug/kg	400	1
4-Chloroaniline	ND		ug/kg	400	1
2-Nitroaniline	ND		ug/kg	400	1
3-Nitroaniline	ND		ug/kg	400	1
4-Nitroaniline	ND		ug/kg	560	1
Dibenzofuran	ND		ug/kg	400	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	1

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-03 Date Collected: 06/01/09 12:35

Client ID: COMP 5 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1600	1
2,4,6-Trichlorophenol	ND		ug/kg	400	1
P-Chloro-M-Cresol	ND		ug/kg	400	1
2-Chlorophenol	ND		ug/kg	480	1
2,4-Dichlorophenol	ND		ug/kg	800	1
2,4-Dimethylphenol	ND		ug/kg	400	1
2-Nitrophenol	ND		ug/kg	1600	1
4-Nitrophenol	ND		ug/kg	800	1
2,4-Dinitrophenol	ND		ug/kg	1600	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	1
Phenol	ND		ug/kg	560	1
2-Methylphenol	ND		ug/kg	480	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	480	1
2,4,5-Trichlorophenol	ND		ug/kg	400	1
Benzoic Acid	ND		ug/kg	4000	1
Benzyl Alcohol	ND		ug/kg	800	1
Carbazole	ND		ug/kg	400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	38		19-120
4-Terphenyl-d14	52		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/02/09 14:19
Analytical Date:	06/09/09 09:36		
Analyst:	HL		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	80	5
2-Chloronaphthalene	ND		ug/kg	80	5
Fluoranthene	1100		ug/kg	80	5
Hexachlorobutadiene	ND		ug/kg	200	5
Naphthalene	ND		ug/kg	80	5
Benzo(a)anthracene	870		ug/kg	80	5
Benzo(a)pyrene	710		ug/kg	80	5
Benzo(b)fluoranthene	1100		ug/kg	80	5
Benzo(k)fluoranthene	380		ug/kg	80	5
Chrysene	1100		ug/kg	80	5
Acenaphthylene	ND		ug/kg	80	5
Anthracene	140		ug/kg	80	5
Benzo(ghi)perylene	700		ug/kg	80	5
Fluorene	ND		ug/kg	80	5
Phenanthrene	310		ug/kg	80	5
Dibenzo(a,h)anthracene	200		ug/kg	80	5
Indeno(1,2,3-cd)Pyrene	510		ug/kg	80	5
Pyrene	1300		ug/kg	80	5
2-Methylnaphthalene	ND		ug/kg	80	5
Pentachlorophenol	ND		ug/kg	320	5
Hexachlorobenzene	ND		ug/kg	320	5
Hexachloroethane	ND		ug/kg	320	5

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	40		19-120
4-Terphenyl-d14	54		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/13/09 04:52
Analytical Date:	06/15/09 11:54		
Analyst:	AK		
Percent Solids:	83%		
TCLP/SPLP Ext. Date	06/11/09 18:30		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	65		43-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	91		33-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 14:29
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:16

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG364838-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 14:29
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:16

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG364838-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Tentatively Identified Compounds

No Tentatively Identified Compounds ND

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 14:29
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:16

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG364838-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	29		10-120
Nitrobenzene-d5	27		23-120
2-Fluorobiphenyl	**29**		30-120
2,4,6-Tribromophenol	29		19-120
4-Terphenyl-d14	41		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 13:38
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:19

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG364842-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/08/09 13:38
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/02/09 14:19

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG364842-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		25-120
Phenol-d6	31		10-120
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	**28**		30-120
2,4,6-Tribromophenol	34		19-120
4-Terphenyl-d14	43		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 15:12
Analyst: AK
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 3510C
Extraction Date: 06/04/09 11:29

Parameter	Result	Qualifier	Units	RDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG365187-1				
Hexachlorobenzene	ND		ug/l	25
2,4-Dinitrotoluene	ND		ug/l	30
Hexachlorobutadiene	ND		ug/l	50
Hexachloroethane	ND		ug/l	25
Nitrobenzene	ND		ug/l	25
2,4,6-Trichlorophenol	ND		ug/l	25
Pentachlorophenol	ND		ug/l	50
2-Methylphenol	ND		ug/l	30
3-Methylphenol/4-Methylphenol	ND		ug/l	30
2,4,5-Trichlorophenol	ND		ug/l	25
Pyridine	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	74		43-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	81		33-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/10/09 12:03
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/09/09 17:51

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG366023-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/10/09 12:03
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/09/09 17:51

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG366023-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	38		19-120
4-Terphenyl-d14	40		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/15/09 10:40
Analyst: AK
TCLP Extraction Date: 06/11/09 18:30

Extraction Method: EPA 3510C
Extraction Date: 06/13/09 04:52

Parameter	Result	Qualifier	Units	RDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG366722-1				
Hexachlorobenzene	ND		ug/l	25
2,4-Dinitrotoluene	ND		ug/l	30
Hexachlorobutadiene	ND		ug/l	50
Hexachloroethane	ND		ug/l	25
Nitrobenzene	ND		ug/l	25
2,4,6-Trichlorophenol	ND		ug/l	25
Pentachlorophenol	ND		ug/l	50
2-Methylphenol	ND		ug/l	30
3-Methylphenol/4-Methylphenol	ND		ug/l	30
2,4,5-Trichlorophenol	ND		ug/l	25
Pyridine	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		43-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	85		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG364838-2 WG364838-3					
1,2,4-Trichlorobenzene	71	58	38-107	20	50
1,2-Dichlorobenzene	69	57	40-140	19	50
1,4-Dichlorobenzene	67	56	28-104	18	50
2,4-Dinitrotoluene	75	57	28-89	27	50
2,6-Dinitrotoluene	78	61	40-140	24	50
4-Chlorophenyl phenyl ether	83	62	40-140	29	50
n-Nitrosodi-n-propylamine	71	57	41-126	22	50
Butyl benzyl phthalate	86	69	40-140	22	50
P-Chloro-M-Cresol	82	69	26-103	17	50
2-Chlorophenol	71	56	25-102	24	50
2-Nitrophenol	69	54	30-130	24	50
4-Nitrophenol	55	34	11-114	47	50
2,4-Dinitrophenol	58	57	4-130	2	50
Phenol	74	60	26-90	21	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG364838-2 WG364838-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		65		25-120
Phenol-d6	73		62		10-120
Nitrobenzene-d5	70		59		23-120
2-Fluorobiphenyl	71		60		30-120
2,4,6-Tribromophenol	80		66		19-120
4-Terphenyl-d14	80		70		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG364842-2 WG364842-3

Acenaphthene	65	49	31-137	28	50
2-Chloronaphthalene	128	103	40-140	22	50
Fluoranthene	82	59	40-140	33	50
Anthracene	74	57	40-140	26	50
Pyrene	82	59	35-142	33	50
Pentachlorophenol	29	24	17-109	19	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG364842-2 WG364842-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		55		25-120
Phenol-d6	65		56		10-120
Nitrobenzene-d5	68		59		23-120
2-Fluorobiphenyl	65		57		30-120
2,4,6-Tribromophenol	80		58		19-120
4-Terphenyl-d14	77		60		18-120

TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG365187-2 WG365187-3

Hexachlorobenzene	76	79	71-100	4	30
2,4-Dinitrotoluene	77	78	64-99	1	30
Hexachlorobutadiene	67	57	10-100	16	30
Hexachloroethane	64	56	13-82	13	30
Nitrobenzene	80	67	41-101	18	30
2,4,6-Trichlorophenol	81	71	53-99	13	30
Pentachlorophenol	59	56	55-112	5	30
2-Methylphenol	74	63	45-84	16	30
3-Methylphenol/4-Methylphenol	74	64	47-86	14	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG365187-2 WG365187-3					
2,4,5-Trichlorophenol	82	82	60-104	0	30
Pyridine	51	47	0-100	8	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		62		21-120
Phenol-d6	70		60		10-120
Nitrobenzene-d5	76		62		23-120
2-Fluorobiphenyl	72		60		43-120
2,4,6-Tribromophenol	82		80		10-120
4-Terphenyl-d14	81		83		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG366023-2 WG366023-3					
Acenaphthene	65	52	31-137	22	50
2-Chloronaphthalene	124	57	40-140	**74**	50
Fluoranthene	82	87	40-140	6	50
Anthracene	71	72	40-140	1	50
Pyrene	84	87	35-142	4	50
Pentachlorophenol	38	43	17-109	12	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		55		25-120
Phenol-d6	68		53		10-120
Nitrobenzene-d5	68		54		23-120
2-Fluorobiphenyl	62		51		30-120
2,4,6-Tribromophenol	75		84		19-120
4-Terphenyl-d14	76		79		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG366722-2 WG366722-3					
Hexachlorobenzene	76	75	71-100	1	30
2,4-Dinitrotoluene	80	80	64-99	0	30
Hexachlorobutadiene	52	46	10-100	12	30
Hexachloroethane	55	51	13-82	8	30
Nitrobenzene	76	80	41-101	5	30
2,4,6-Trichlorophenol	68	79	53-99	15	30
Pentachlorophenol	97	97	55-112	0	30
2-Methylphenol	73	75	45-84	3	30
3-Methylphenol/4-Methylphenol	74	76	47-86	3	30
2,4,5-Trichlorophenol	75	78	60-104	4	30
Pyridine	0	0	0-100	**49**	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		76		21-120
Phenol-d6	76		76		10-120
Nitrobenzene-d5	70		73		23-120
2-Fluorobiphenyl	65		70		43-120
2,4,6-Tribromophenol	71		72		10-120
4-Terphenyl-d14	86		87		33-120

PETROLEUM HYDROCARBONS

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/03/09 12:47
Analytical Date:	06/04/09 18:55		
Analyst:	RT		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	ND		ug/kg	37400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8015B(M)	Extraction Date:	06/06/09 00:30
Analytical Date:	06/08/09 14:38		
Analyst:	RT		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	296000		ug/kg	40200	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/04/09 12:20
Analyst: RT

Extraction Method: EPA 3546
Extraction Date: 06/03/09 12:47

Parameter	Result	Qualifier	Units	RDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG365028-1				
TPH	ND		ug/kg	33300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/08/09 12:00
Analyst: RT

Extraction Method: EPA 3540C
Extraction Date: 06/06/09 00:30

Parameter	Result	Qualifier	Units	RDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03 Batch: WG365608-1				
TPH	ND		ug/kg	33300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG365028-2					
TPH	68	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89				40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03 Batch: WG365608-2					
TPH	85	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365028-4 QC Sample: L0907023-01 Client ID: DUP Sample					
TPH	96900	219000	ug/kg	**77**	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		49		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03 QC Batch ID: WG365608-3 QC Sample: L0907185-01 Client ID: DUP Sample					
TPH	74400	59200	ug/kg	23	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		86		40-140

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 11:48	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	89%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	37.4	1
Aroclor 1221	ND		ug/kg	37.4	1
Aroclor 1232	ND		ug/kg	37.4	1
Aroclor 1242	ND		ug/kg	37.4	1
Aroclor 1248	ND		ug/kg	37.4	1
Aroclor 1254	ND		ug/kg	37.4	1
Aroclor 1260	ND		ug/kg	37.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/02/09 14:59
Analytical Date:	06/06/09 12:13	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	83%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	40.2	1
Aroclor 1221	ND		ug/kg	40.2	1
Aroclor 1232	ND		ug/kg	40.2	1
Aroclor 1242	ND		ug/kg	40.2	1
Aroclor 1248	ND		ug/kg	40.2	1
Aroclor 1254	ND		ug/kg	40.2	1
Aroclor 1260	ND		ug/kg	40.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/05/09 18:06
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/02/09 14:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/04/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03 Batch: WG364848-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG364848-2 WG364848-3					
Aroclor 1016	78	58	40-140	29	30
Aroclor 1260	78	59	40-140	28	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		45		30-150	A
Decachlorobiphenyl	79		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		46		30-150	B
Decachlorobiphenyl	83		66		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/08/09 11:00	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	18.7	5
Lindane	ND		ug/kg	18.7	5
Alpha-BHC	ND		ug/kg	18.7	5
Beta-BHC	ND		ug/kg	18.7	5
Heptachlor	ND		ug/kg	18.7	5
Aldrin	ND		ug/kg	18.7	5
Heptachlor epoxide	ND		ug/kg	18.7	5
Endrin	ND		ug/kg	18.7	5
Endrin ketone	ND		ug/kg	18.7	5
Dieldrin	ND		ug/kg	18.7	5
4,4'-DDE	ND		ug/kg	18.7	5
4,4'-DDD	ND		ug/kg	18.7	5
4,4'-DDT	ND		ug/kg	18.7	5
Endosulfan I	ND		ug/kg	18.7	5
Endosulfan II	ND		ug/kg	18.7	5
Endosulfan sulfate	ND		ug/kg	18.7	5
Methoxychlor	ND		ug/kg	74.9	5
trans-Chlordane	ND		ug/kg	18.7	5
Chlordane	ND		ug/kg	187	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/04/09 07:52
Analytical Date:	06/08/09 15:10	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/05/09
Percent Solids:	89%		
TCLP/SPLP Ext. Date	06/02/09 15:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 21:58		
Analyst:	JB		
Percent Solids:	89%		
TCLP/SPLP Ext. Date	06/02/09 15:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	52		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/02/09 22:16
Analytical Date:	06/04/09 23:04	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/04/09
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	4.02	1
Lindane	ND		ug/kg	4.02	1
Alpha-BHC	ND		ug/kg	4.02	1
Beta-BHC	ND		ug/kg	4.02	1
Heptachlor	ND		ug/kg	4.02	1
Aldrin	ND		ug/kg	4.02	1
Heptachlor epoxide	ND		ug/kg	4.02	1
Endrin	ND		ug/kg	4.02	1
Endrin ketone	ND		ug/kg	4.02	1
Dieldrin	ND		ug/kg	4.02	1
4,4'-DDE	ND		ug/kg	4.02	1
4,4'-DDD	ND		ug/kg	4.02	1
4,4'-DDT	ND		ug/kg	4.02	1
Endosulfan I	ND		ug/kg	4.02	1
Endosulfan II	ND		ug/kg	4.02	1
Endosulfan sulfate	ND		ug/kg	4.02	1
Methoxychlor	ND		ug/kg	16.1	1
trans-Chlordane	ND		ug/kg	4.02	1
Chlordane	ND		ug/kg	40.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/04/09 07:52
Analytical Date:	06/08/09 16:35	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/05/09
Percent Solids:	83%		
TCLP/SPLP Ext. Date	06/02/09 15:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 22:19		
Analyst:	JB		
Percent Solids:	83%		
TCLP/SPLP Ext. Date	06/02/09 15:40		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	51		30-150	A
DCAA	50		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/04/09 21:05
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/02/09 22:16
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/04/09

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG364931-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082/8081
Analytical Date: 06/08/09 13:37
Analyst: JB
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 3510C
Extraction Date: 06/04/09 07:52
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/05/09

Parameter	Result	Qualifier	Units	RDL
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01,03 Batch: WG365161-1				
Lindane	ND		ug/l	0.100
Heptachlor	ND		ug/l	0.100
Heptachlor epoxide	ND		ug/l	0.100
Endrin	ND		ug/l	0.200
Methoxychlor	ND		ug/l	1.00
Toxaphene	ND		ug/l	1.00
Chlordane	ND		ug/l	1.00

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/08/09 19:39
Analyst: JB
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 8151A
Extraction Date: 06/06/09 07:17

Parameter	Result	Qualifier	Units	RDL
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01,03 Batch: WG365611-1				
2,4-D	ND		mg/l	0.025
2,4,5-TP (Silvex)	ND		mg/l	0.003

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	43		30-150	A
DCAA	41		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG364931-2 WG364931-3					
Delta-BHC	59	64	30-150	8	30
Lindane	58	60	30-150	3	30
Alpha-BHC	57	58	30-150	2	30
Beta-BHC	53	61	30-150	14	30
Heptachlor	57	58	30-150	2	30
Aldrin	58	59	30-150	2	30
Heptachlor epoxide	64	66	30-150	3	30
Endrin	61	64	30-150	5	30
Endrin ketone	59	60	30-150	2	30
Dieldrin	62	65	30-150	5	30
4,4'-DDE	65	67	30-150	3	30
4,4'-DDD	66	70	30-150	6	30
4,4'-DDT	61	64	30-150	5	30
Endosulfan I	63	64	30-150	2	30
Endosulfan II	63	63	30-150	0	30
Endosulfan sulfate	56	55	30-150	2	30
Methoxychlor	60	63	30-150	5	30
trans-Chlordane	58	60	30-150	3	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG364931-2 WG364931-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		56		30-150	A
Decachlorobiphenyl	63		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		54		30-150	B
Decachlorobiphenyl	46		55		30-150	B

TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG365161-2 WG365161-3					
Lindane	65	66	30-150	2	20
Heptachlor	62	63	30-150	1	20
Heptachlor epoxide	80	81	30-150	1	20
Endrin	78	78	30-150	1	20
Methoxychlor	78	74	30-150	5	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG365161-2 WG365161-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		66		30-150	A
Decachlorobiphenyl	100		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		60		30-150	B
Decachlorobiphenyl	64		74		30-150	B

TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG365611-2 WG365611-3					
2,4-D	116	97	30-150	18	25
2,4,5-TP (Silvex)	52	42	30-150	21	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		47		30-150	A
DCAA	68		53		30-150	B

METALS

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-01 Date Collected: 06/01/09 10:00

Client ID: COMP 4 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 06/01/09 16:40

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD
Barium, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD
Cadmium, TCLP	ND		mg/l	0.10	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD
Chromium, TCLP	ND		mg/l	0.20	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD
Lead, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD
Mercury, TCLP	ND		mg/l	0.0010	1	06/04/09 18:00	06/05/09 11:09	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD
Silver, TCLP	ND		mg/l	0.10	1	06/05/09 11:15	06/06/09 17:37	EPA 3015	1,6010B	TD

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-01 Date Collected: 06/01/09 10:00

Client ID: COMP 4 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	7000		mg/kg	4.5	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Antimony, Total	ND		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Arsenic, Total	0.90		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Barium, Total	44		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Beryllium, Total	0.47		mg/kg	0.22	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Calcium, Total	3400		mg/kg	4.5	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Chromium, Total	17		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Cobalt, Total	6.7		mg/kg	0.90	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Copper, Total	21		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Iron, Total	18000		mg/kg	11	5	06/02/09 14:30	06/04/09 19:34	EPA 3050B	1,6010B	AI
Lead, Total	3.8		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Magnesium, Total	4000		mg/kg	4.5	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Manganese, Total	280		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Mercury, Total	ND		mg/kg	0.09	1	06/05/09 00:30	06/05/09 13:32	EPA 7471A	1,7471A	EZ
Nickel, Total	12		mg/kg	1.1	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Potassium, Total	1500		mg/kg	110	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Selenium, Total	ND		mg/kg	0.90	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Silver, Total	ND		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Sodium, Total	580		mg/kg	90	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.90	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Vanadium, Total	25		mg/kg	0.45	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI
Zinc, Total	41		mg/kg	2.2	1	06/02/09 14:30	06/03/09 23:23	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-03 Date Collected: 06/01/09 12:35

Client ID: COMP 5 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 06/01/09 16:40

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD
Barium, TCLP	1.0		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD
Cadmium, TCLP	ND		mg/l	0.10	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD
Chromium, TCLP	ND		mg/l	0.20	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD
Lead, TCLP	0.73		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD
Mercury, TCLP	ND		mg/l	0.0010	1	06/04/09 18:00	06/05/09 11:15	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD
Silver, TCLP	ND		mg/l	0.10	1	06/05/09 11:15	06/06/09 17:52	EPA 3015	1,6010B	TD

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-03 Date Collected: 06/01/09 12:35

Client ID: COMP 5 Date Received: 06/01/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	7600		mg/kg	4.8	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Antimony, Total	3.2		mg/kg	2.4	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Arsenic, Total	15		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Barium, Total	330		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Beryllium, Total	0.65		mg/kg	0.24	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Cadmium, Total	0.90		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Calcium, Total	8000		mg/kg	4.8	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Chromium, Total	27		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Cobalt, Total	7.7		mg/kg	0.97	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Copper, Total	340		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Iron, Total	22000		mg/kg	12	5	06/02/09 14:30	06/04/09 19:37	EPA 3050B	1,6010B	AI
Lead, Total	620		mg/kg	2.4	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Magnesium, Total	2700		mg/kg	4.8	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Manganese, Total	230		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Mercury, Total	2.9		mg/kg	0.46	5	06/05/09 00:30	06/05/09 14:43	EPA 7471A	1,7471A	EZ
Nickel, Total	23		mg/kg	1.2	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Potassium, Total	1300		mg/kg	120	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Selenium, Total	2.0		mg/kg	0.97	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Silver, Total	1.2		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Sodium, Total	1700		mg/kg	97	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Thallium, Total	ND		mg/kg	0.97	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Vanadium, Total	25		mg/kg	0.48	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI
Zinc, Total	430		mg/kg	2.4	1	06/02/09 14:30	06/03/09 23:26	EPA 3050B	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03 Batch: WG364876-1									
Aluminum, Total	ND		mg/kg	4.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Antimony, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Arsenic, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Barium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Beryllium, Total	ND		mg/kg	0.20	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Cadmium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Calcium, Total	ND		mg/kg	4.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Chromium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Cobalt, Total	ND		mg/kg	0.80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Copper, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Iron, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Lead, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Magnesium, Total	ND		mg/kg	4.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Manganese, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Nickel, Total	ND		mg/kg	1.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Potassium, Total	ND		mg/kg	100	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Selenium, Total	ND		mg/kg	0.80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Silver, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Sodium, Total	ND		mg/kg	80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Thallium, Total	ND		mg/kg	0.80	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Vanadium, Total	ND		mg/kg	0.40	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI
Zinc, Total	ND		mg/kg	2.0	1	06/02/09 14:30	06/03/09 21:37	1,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,03 Batch: WG365321-1									
Mercury, TCLP	ND		mg/l	0.0010	1	06/04/09 18:00	06/05/09 10:58	1,7470A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP Extraction Date: 06/02/09 15:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03 Batch: WG365349-1									
Mercury, Total	ND		mg/kg	0.08	1	06/05/09 00:30	06/05/09 13:29	1,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,03 Batch: WG365480-1									
Arsenic, TCLP	ND		mg/l	1.0	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD
Barium, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD
Cadmium, TCLP	ND		mg/l	0.10	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD
Chromium, TCLP	ND		mg/l	0.20	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD
Lead, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD
Selenium, TCLP	ND		mg/l	0.50	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD
Silver, TCLP	ND		mg/l	0.10	1	06/05/09 11:15	06/06/09 17:33	1,6010B	TD

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/02/09 15:40

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG364876-2					
Aluminum, Total	100	-	75-125	-	
Antimony, Total	102	-	75-125	-	
Arsenic, Total	104	-	75-125	-	
Barium, Total	102	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	110	-	75-125	-	
Calcium, Total	97	-	75-125	-	
Chromium, Total	105	-	75-125	-	
Cobalt, Total	108	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	105	-	75-125	-	
Lead, Total	100	-	75-125	-	
Magnesium, Total	95	-	75-125	-	
Manganese, Total	102	-	75-125	-	
Nickel, Total	102	-	75-125	-	
Potassium, Total	97	-	75-125	-	
Selenium, Total	100	-	75-125	-	
Silver, Total	111	-	75-125	-	
Sodium, Total	95	-	75-125	-	
Thallium, Total	96	-	75-125	-	
Vanadium, Total	108	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG364876-2					
Zinc, Total	102	-	75-125	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG365321-2					
Mercury, TCLP	108	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG365349-2					
Mercury, Total	118	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG365480-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	92	-	75-125	-	20
Cadmium, TCLP	100	-	75-125	-	20
Chromium, TCLP	98	-	75-125	-	20
Lead, TCLP	97	-	75-125	-	20
Selenium, TCLP	95	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG364876-4 QC Sample: L0907032-01 Client ID: MS Sample									
Aluminum, Total	5400	83.3	5800	**480**	-	-	75-125	-	35
Antimony, Total	ND	20.8	8.4	**40**	-	-	75-125	-	35
Arsenic, Total	1.8	5	6.8	100	-	-	75-125	-	35
Barium, Total	53	83.3	140	104	-	-	75-125	-	35
Beryllium, Total	0.34	2.08	2.4	99	-	-	75-125	-	35
Cadmium, Total	ND	2.12	2.2	104	-	-	75-125	-	35
Calcium, Total	4700	416	8400	**888**	-	-	75-125	-	35
Chromium, Total	11	8.33	20	108	-	-	75-125	-	35
Cobalt, Total	6.7	20.8	26	93	-	-	75-125	-	35
Copper, Total	18	10.4	30	115	-	-	75-125	-	35
Iron, Total	9200	41.6	9800	**1440**	-	-	75-125	-	35
Lead, Total	27	21.2	54	**127**	-	-	75-125	-	35
Magnesium, Total	2000	416	3900	**456**	-	-	75-125	-	35
Manganese, Total	300	20.8	310	**48**	-	-	75-125	-	35
Nickel, Total	9.5	20.8	29	94	-	-	75-125	-	35
Potassium, Total	1200	416	1600	96	-	-	75-125	-	35
Selenium, Total	ND	5	5.1	102	-	-	75-125	-	35
Silver, Total	ND	12.5	13	104	-	-	75-125	-	35
Sodium, Total	300	416	680	91	-	-	75-125	-	35
Thallium, Total	ND	5	4.3	86	-	-	75-125	-	35
Vanadium, Total	15	20.8	35	96	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907034
Report Date: 06/15/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG364876-4 QC Sample: L0907032-01 Client ID: MS Sample									
Zinc, Total	42	20.8	67	120	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365321-4 QC Sample: L0907034-01 Client ID: COMP 4									
Mercury, TCLP	ND	0.005	0.0065	130	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365349-4 QC Sample: L0907183-01 Client ID: MS Sample									
Mercury, Total	ND	0.335	0.47	**140**	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365480-4 QC Sample: L0907034-01 Client ID: COMP 4									
Arsenic, TCLP	ND	10	10	100	-	-	75-125	-	20
Barium, TCLP	ND	100	94	94	-	-	75-125	-	20
Cadmium, TCLP	ND	10	10	100	-	-	75-125	-	20
Chromium, TCLP	ND	10	9.9	99	-	-	75-125	-	20
Lead, TCLP	ND	10	9.7	97	-	-	75-125	-	20
Selenium, TCLP	ND	20	19	95	-	-	75-125	-	20
Silver, TCLP	ND	10	9.4	94	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG364876-3 QC Sample: L0907032-01 Client ID: DUP Sample					
Aluminum, Total	5400	5500	mg/kg	2	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	1.8	1.6	mg/kg	12	35
Barium, Total	53	51	mg/kg	4	35
Beryllium, Total	0.34	0.33	mg/kg	3	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	4700	5900	mg/kg	23	35
Chromium, Total	11	11	mg/kg	0	35
Cobalt, Total	6.7	5.9	mg/kg	13	35
Copper, Total	18	17	mg/kg	6	35
Iron, Total	9200	8900	mg/kg	3	35
Lead, Total	27	26	mg/kg	4	35
Magnesium, Total	2000	2500	mg/kg	22	35
Manganese, Total	300	290	mg/kg	3	35
Nickel, Total	9.5	10	mg/kg	5	35
Potassium, Total	1200	1200	mg/kg	0	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	300	320	mg/kg	6	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG364876-3 QC Sample: L0907032-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	15	14	mg/kg	7	35
Zinc, Total	42	42	mg/kg	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365321-3 QC Sample: L0907034-01 Client ID: COMP 4					
Mercury, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365349-3 QC Sample: L0907183-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365480-3 QC Sample: L0907034-01 Client ID: COMP 4					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	ND	ND	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	ND	ND	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907034
Project Number:	5817802	**Report Date:**	06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-01	Date Collected:	06/01/09 10:00
Client ID:	COMP 4	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907034
Project Number:	5817802	**Report Date:**	06/15/09

SAMPLE RESULTS

Lab ID:	L0907034-03	Date Collected:	06/01/09 12:35
Client ID:	COMP 5	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-01
Client ID: COMP 4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 10:00
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	89		%	0.10	1	-	06/05/09 11:48	30,2540G	MC
pH	6.0		SU	-	1	-	06/03/09 20:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/02/09 12:45	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-03
Client ID: COMP 5
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 12:35
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	83		%	0.10	1	-	06/05/09 11:48	30,2540G	MC
pH	8.0		SU	-	1	-	06/03/09 20:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/02/09 12:45	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

SAMPLE RESULTS

Lab ID: L0907034-05
Client ID: GB11-3-4
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/01/09 10:05
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	88		%	0.10	1	-	06/05/09 11:48	30,2540G	MC

Project Name: RIKERS ISLAND **Lab Number:** L0907034

Project Number: 5817802 **Report Date:** 06/15/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG365483-1									
Sulfide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
General Chemistry - Westborough Lab for sample(s): 01,03 Batch: WG365486-1									
Cyanide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG365141-1					
pH	100	-		-	
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG365483-2					
Sulfide, Reactive	80	-	60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01,03 Batch: WG365486-2					
Cyanide, Reactive	75	-	30-125	-	40

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365141-2 QC Sample: L0907034-01 Client ID: COMP 4					
pH	6.0	6.1	SU	2	
General Chemistry - Westborough Lab Associated sample(s): 01,03,05 QC Batch ID: WG365440-1 QC Sample: L0907129-02 Client ID: DUP Sample					
Solids, Total	89	90	%	1	20
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365483-3 QC Sample: L0907167-01 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG365486-3 QC Sample: L0907167-01 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907034-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	-
L0907034-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),TCLP-8270(14),HERB-TCLP*(14),NYTCL-8270-SIM(14),PEST-TCLP*(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0907034-01C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907034-01D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0907034-01X	Plastic 250ml HNO3 preserved spl	A	N/A	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0907034-02A	Vial Large unpreserved	A	N/A	2	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0907034-03A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	-
L0907034-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8270(14),TCLP-8270(14),HERB-TCLP*(14),NYTCL-8270-SIM(14),PEST-TCLP*(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0907034-03C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907034-03D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0907034-03X	Plastic 250ml HNO3 preserved spl	A	N/A	2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0907034-04A	Vial Large unpreserved	A	N/A	2	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0907034-05A	25 gram Encore Sampler	A	N/A	2	Y	Absent	TS(7),ENCORE-SPLIT()

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907034
Report Date: 06/15/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907034-05B	Vial MeOH preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907034-05C	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907034-05D	Vial Water preserved split	A	N/A	2	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()

Container Comments

L0907034-05A

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907034
Project Number:	5817802	**Report Date:**	06/15/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907034
Project Number: 5817802 **Report Date:** 06/15/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 9, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671.
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06150918:47

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA LABORATORIES

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/1/09

ALPHA Job #: L0907034

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street 8th FLR, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817402

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/8/09 Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 5817402

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NJ Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP RCRA Metals 5	Pesticides, herbicides	TCLP VOCs	Sample Specific Comments	Total # Bottles
07034-1	Comp 4	6/1/09	1000	S	JFG	X	X	X	X	X	X	X	X	X			4 jars	
2	GB11-7-8	6/1/09	1005	S	JFG											X		
3	Comp 5	6/1/09	1235	S	JFG	X	X	X	X	X	X	X	X	X			4 jars	
4	GB13-3-4	6/1/09	1230	S	JFG											X		
5	GB11-3-4	6/1/09	1005	S	JFG	X											Encore	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do

(Please specify below)

Container Type																
Preservative																

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01 (rev. 14-OCT-07)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/1/09 1540	[signature]	6/1/09 1540
[signature]	6-1-09 18:00	[signature]	6-1-09 18:00
[signature]	6-1-09 21:00	[signature]	6/1/09 2100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Revised COC 6/3/09

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA Analytical
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/1/09
ALPHA Job #: L0907034

Client Information
Client: Langan Engineering
Address: 360 W. 31st Street, 8th Flr, New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information
Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817807
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time
☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 6/8/09 Time:

Report Information - Data Deliverables
☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information
☒ Same as Client info PO #: 5817807

Regulatory Requirements/Report Limits
State /Fed Program: | Criteria: NJ Disposal / Waste Classification

MA MCP PRESUMPTIVE CERTAINTY -- CT REASONABLE CONFIDENCE PROTO.
☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP RCRA Metals	Pesticides, herbicides	TCLP VOCs	Sample Specific Comments	TOTAL # BOTTLES
07034.1	Comp 4	6/1/09	1000	S	JFG	X	X	X	X	X	X	X	X	X			4 jars, No TCL VOC (JG)	
2	GB11-7-8	6/1/09	1005	S	JFG	(JG)										X		
3	Comp 5	6/1/09	1235	S	JFG	X	X	X	X	X	X	X	X	X			4 jars, No TCL VOC (JG)	
4	GB13-3-4	6/1/09	1230	S	JFG											X		
5	GB11-3-4	6/1/09	1005	S	JFG	X											Encore	

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph J. Good	6/1/09 1540	[illegible]	6/1/09 1540
[illegible]	6-1-09 18:00	Ron Brady	6-1-09 18:00
Ron Brady	6-1-09 21:00	[illegible]	6/1/09 21:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

06150918:47

ANALYTICAL REPORT

Lab Number:	L0907115
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/11/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907115-01	COMP 6	RIKERS ISLAND, NY	06/02/09 09:10
L0907115-02	GB 15-8-9	RIKERS ISLAND, NY	06/02/09 08:30
L0907115-03	GB 15-7-8	RIKERS ISLAND, NY	06/02/09 08:25
L0907115-04	COMP 7	RIKERS ISLAND, NY	06/02/09 10:45
L0907115-05	GB 18-5-6	RIKERS ISLAND, NY	06/02/09 10:05
L0907115-06	GB 18-4-5	RIKERS ISLAND, NY	06/02/09 10:00

Project Name: RIKERS ISLAND **Lab Number:** L0907115
Project Number: 5817802 **Report Date:** 06/11/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics

L0907115-03: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 and the surrogate recovery for 4-Bromofluorobenzene (150%) were outside the acceptance criteria; however, re-analysis achieved similar results (4-Bromofluorobenzene at 180%). The results of both analyses are reported.

L0907115-06: The internal standard (IS) responses for Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 are below the acceptance criteria for the method. Re-analysis achieved similar results, and also had two surrogate recoveries outside acceptance criteria (Toluene-d8 at 143% and 4-Bromofluorobenzene at 193%). The results of both analyses are reported.

Project Name: RIKERS ISLAND **Lab Number:** L0907115
Project Number: 5817802 **Report Date:** 06/11/09

Case Narrative (continued)

Semivolatile Organics

The WG365236-2/-3 LCS/LCSD recoveries associated with L0907115-01 and -04 were above the acceptance criteria for 2,4-Dinitrotoluene (93%/99%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

Semivolatile Organics by SIM

L0907115-01 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

TCLP Semivolatile Organics

The WG365556-2 LCS recovery associated with L0907115-01 and -04 was above the acceptance criteria for 2-Methylphenol (85%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

The WG365556-2/-3 LCS/LCSD RPD associated with L0907115-01 and -04 is above the acceptance criteria for Pyridine (62%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

Petroleum Hydrocarbon Quantitation

L0907115-04 has an elevated detection limit due to the dilution required by the elevated concentrations of target compounds in the sample.

Pesticides

L0907115-01 and -04 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

The surrogate recoveries for L0907115-01 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilution required to quantitate the sample. Re-extraction is not required; therefore, the results of the original analysis are reported.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907115
Project Number:	5817802	**Report Date:**	06/11/09

Case Narrative (continued)

TCLP Mercury

The WG365323-4 MS recovery associated with L0907115-01 is above the acceptance criteria for Mercury (134%). A post digestion spike was performed with an acceptable recovery of 120%.

Total Metals

L0907115-01 has an elevated detection limit for Zinc due to the dilution required to quantitate the result within the calibration range.

L0907115-04 has elevated detection limits for all EPA 6010B elements due to the dilution required by the sample matrix.

Mercury

L0907115-04 has an elevated detection limit for Mercury due to the analytical dilution required to quantitate the result within the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 06/11/09

ORGANICS

VOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-02	Date Collected:	06/02/09 08:30
Client ID:	GB 15-8-9	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/08/09 12:10		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/04/09 15:55

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-03	Date Collected:	06/02/09 08:25
Client ID:	GB 15-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 14:39		
Analyst:	PD		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	28	1
1,1-Dichloroethane	ND		ug/kg	4.2	1
Chloroform	ND		ug/kg	4.2	1
Carbon tetrachloride	ND		ug/kg	2.8	1
1,2-Dichloropropane	ND		ug/kg	9.7	1
Dibromochloromethane	ND		ug/kg	2.8	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1
Tetrachloroethene	ND		ug/kg	2.8	1
Chlorobenzene	ND		ug/kg	2.8	1
Trichlorofluoromethane	ND		ug/kg	14	1
1,2-Dichloroethane	ND		ug/kg	2.8	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	1
Bromodichloromethane	ND		ug/kg	2.8	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	1
1,1-Dichloropropene	ND		ug/kg	14	1
Bromoform	ND		ug/kg	11	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	1
Benzene	ND		ug/kg	2.8	1
Toluene	ND		ug/kg	4.2	1
Ethylbenzene	ND		ug/kg	2.8	1
Chloromethane	ND		ug/kg	14	1
Bromomethane	ND		ug/kg	5.6	1
Vinyl chloride	ND		ug/kg	5.6	1
Chloroethane	ND		ug/kg	5.6	1
1,1-Dichloroethene	ND		ug/kg	2.8	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1
Trichloroethene	ND		ug/kg	2.8	1
1,2-Dichlorobenzene	ND		ug/kg	14	1
1,3-Dichlorobenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-03	Date Collected:	06/02/09 08:25
Client ID:	GB 15-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	14	1
Methyl tert butyl ether	ND		ug/kg	5.6	1
p/m-Xylene	ND		ug/kg	5.6	1
o-Xylene	ND		ug/kg	5.6	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	1
Dibromomethane	ND		ug/kg	28	1
Styrene	ND		ug/kg	5.6	1
Dichlorodifluoromethane	ND		ug/kg	28	1
Acetone	250		ug/kg	28	1
Carbon disulfide	ND		ug/kg	28	1
2-Butanone	74		ug/kg	28	1
Vinyl acetate	ND		ug/kg	28	1
4-Methyl-2-pentanone	ND		ug/kg	28	1
1,2,3-Trichloropropane	ND		ug/kg	28	1
2-Hexanone	ND		ug/kg	28	1
Bromochloromethane	ND		ug/kg	14	1
2,2-Dichloropropane	ND		ug/kg	14	1
1,2-Dibromoethane	ND		ug/kg	11	1
1,3-Dichloropropane	ND		ug/kg	14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	1
Bromobenzene	ND		ug/kg	14	1
n-Butylbenzene	5.8		ug/kg	2.8	1
sec-Butylbenzene	11		ug/kg	2.8	1
tert-Butylbenzene	ND		ug/kg	14	1
o-Chlorotoluene	ND		ug/kg	14	1
p-Chlorotoluene	ND		ug/kg	14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	1
Hexachlorobutadiene	ND		ug/kg	14	1
Isopropylbenzene	18		ug/kg	2.8	1
p-Isopropyltoluene	ND		ug/kg	2.8	1
Naphthalene	ND		ug/kg	14	1
Acrylonitrile	ND		ug/kg	28	1
n-Propylbenzene	4.9		ug/kg	2.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-03	Date Collected:	06/02/09 08:25
Client ID:	GB 15-7-8	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	11	1
4-Ethyltoluene	ND		ug/kg	11	1
1,2,4,5-Tetramethylbenzene	22		ug/kg	11	1
Ethyl ether	ND		ug/kg	14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	**150**		70-130
Dibromofluoromethane	93		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-03	R	Date Collected:	06/02/09 08:25
Client ID:	GB 15-7-8		Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260B			
Analytical Date:	06/08/09 14:15			
Analyst:	PD			
Percent Solids:	72%			

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	24	1
1,1-Dichloroethane	ND		ug/kg	3.6	1
Chloroform	ND		ug/kg	3.6	1
Carbon tetrachloride	ND		ug/kg	2.4	1
1,2-Dichloropropane	ND		ug/kg	8.4	1
Dibromochloromethane	ND		ug/kg	2.4	1
1,1,2-Trichloroethane	ND		ug/kg	3.6	1
Tetrachloroethene	ND		ug/kg	2.4	1
Chlorobenzene	ND		ug/kg	2.4	1
Trichlorofluoromethane	ND		ug/kg	12	1
1,2-Dichloroethane	ND		ug/kg	2.4	1
1,1,1-Trichloroethane	ND		ug/kg	2.4	1
Bromodichloromethane	ND		ug/kg	2.4	1
trans-1,3-Dichloropropene	ND		ug/kg	2.4	1
cis-1,3-Dichloropropene	ND		ug/kg	2.4	1
1,1-Dichloropropene	ND		ug/kg	12	1
Bromoform	ND		ug/kg	9.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	1
Benzene	ND		ug/kg	2.4	1
Toluene	ND		ug/kg	3.6	1
Ethylbenzene	ND		ug/kg	2.4	1
Chloromethane	ND		ug/kg	12	1
Bromomethane	ND		ug/kg	4.8	1
Vinyl chloride	ND		ug/kg	4.8	1
Chloroethane	ND		ug/kg	4.8	1
1,1-Dichloroethene	ND		ug/kg	2.4	1
trans-1,2-Dichloroethene	ND		ug/kg	3.6	1
Trichloroethene	ND		ug/kg	2.4	1
1,2-Dichlorobenzene	ND		ug/kg	12	1
1,3-Dichlorobenzene	ND		ug/kg	12	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-03 R Date Collected: 06/02/09 08:25

Client ID: GB 15-7-8 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	12	1
Methyl tert butyl ether	ND		ug/kg	4.8	1
p/m-Xylene	ND		ug/kg	4.8	1
o-Xylene	ND		ug/kg	4.8	1
cis-1,2-Dichloroethene	ND		ug/kg	2.4	1
Dibromomethane	ND		ug/kg	24	1
Styrene	ND		ug/kg	4.8	1
Dichlorodifluoromethane	ND		ug/kg	24	1
Acetone	190		ug/kg	24	1
Carbon disulfide	ND		ug/kg	24	1
2-Butanone	58		ug/kg	24	1
Vinyl acetate	ND		ug/kg	24	1
4-Methyl-2-pentanone	ND		ug/kg	24	1
1,2,3-Trichloropropane	ND		ug/kg	24	1
2-Hexanone	ND		ug/kg	24	1
Bromochloromethane	ND		ug/kg	12	1
2,2-Dichloropropane	ND		ug/kg	12	1
1,2-Dibromoethane	ND		ug/kg	9.6	1
1,3-Dichloropropane	ND		ug/kg	12	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.4	1
Bromobenzene	ND		ug/kg	12	1
n-Butylbenzene	9.8		ug/kg	2.4	1
sec-Butylbenzene	13		ug/kg	2.4	1
tert-Butylbenzene	ND		ug/kg	12	1
o-Chlorotoluene	ND		ug/kg	12	1
p-Chlorotoluene	ND		ug/kg	12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	1
Hexachlorobutadiene	ND		ug/kg	12	1
Isopropylbenzene	18		ug/kg	2.4	1
p-Isopropyltoluene	ND		ug/kg	2.4	1
Naphthalene	ND		ug/kg	12	1
Acrylonitrile	ND		ug/kg	24	1
n-Propylbenzene	ND		ug/kg	2.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	12	1
1,2,4-Trichlorobenzene	ND		ug/kg	12	1
1,3,5-Trimethylbenzene	ND		ug/kg	12	1
1,2,4-Trimethylbenzene	ND		ug/kg	12	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-03 R Date Collected: 06/02/09 08:25

Client ID: GB 15-7-8 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	9.6	1
4-Ethyltoluene	ND		ug/kg	9.6	1
1,2,4,5-Tetramethylbenzene	16		ug/kg	9.6	1
Ethyl ether	ND		ug/kg	12	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	**180**		70-130
Dibromofluoromethane	98		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-05	Date Collected:	06/02/09 10:05
Client ID:	GB 18-5-6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/08/09 12:48		
Analyst:	MM		

TCLP/SPLP Ext. Date 06/04/09 15:55

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab					
Chloroform	ND		ug/l	7.5	1
Carbon tetrachloride	ND		ug/l	5.0	1
Tetrachloroethene	ND		ug/l	5.0	1
Chlorobenzene	ND		ug/l	5.0	1
1,2-Dichloroethane	ND		ug/l	5.0	1
Benzene	ND		ug/l	5.0	1
Vinyl chloride	ND		ug/l	10	1
1,1-Dichloroethene	ND		ug/l	5.0	1
Trichloroethene	ND		ug/l	5.0	1
1,4-Dichlorobenzene	ND		ug/l	25	1
2-Butanone	ND		ug/l	50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	119		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-06	Date Collected:	06/02/09 10:00
Client ID:	GB 18-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	06/05/09 15:15		
Analyst:	PD		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	21	1
1,1-Dichloroethane	ND		ug/kg	3.2	1
Chloroform	ND		ug/kg	3.2	1
Carbon tetrachloride	ND		ug/kg	2.1	1
1,2-Dichloropropane	ND		ug/kg	7.4	1
Dibromochloromethane	ND		ug/kg	2.1	1
1,1,2-Trichloroethane	ND		ug/kg	3.2	1
Tetrachloroethene	ND		ug/kg	2.1	1
Chlorobenzene	ND		ug/kg	2.1	1
Trichlorofluoromethane	ND		ug/kg	11	1
1,2-Dichloroethane	ND		ug/kg	2.1	1
1,1,1-Trichloroethane	ND		ug/kg	2.1	1
Bromodichloromethane	ND		ug/kg	2.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	1
cis-1,3-Dichloropropene	ND		ug/kg	2.1	1
1,1-Dichloropropene	ND		ug/kg	11	1
Bromoform	ND		ug/kg	8.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	1
Benzene	ND		ug/kg	2.1	1
Toluene	ND		ug/kg	3.2	1
Ethylbenzene	ND		ug/kg	2.1	1
Chloromethane	ND		ug/kg	11	1
Bromomethane	ND		ug/kg	4.2	1
Vinyl chloride	ND		ug/kg	4.2	1
Chloroethane	ND		ug/kg	4.2	1
1,1-Dichloroethene	ND		ug/kg	2.1	1
trans-1,2-Dichloroethene	ND		ug/kg	3.2	1
Trichloroethene	ND		ug/kg	2.1	1
1,2-Dichlorobenzene	ND		ug/kg	11	1
1,3-Dichlorobenzene	ND		ug/kg	11	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-06	Date Collected:	06/02/09 10:00
Client ID:	GB 18-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	11	1
Methyl tert butyl ether	ND		ug/kg	4.2	1
p/m-Xylene	ND		ug/kg	4.2	1
o-Xylene	ND		ug/kg	4.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	1
Dibromomethane	ND		ug/kg	21	1
Styrene	ND		ug/kg	4.2	1
Dichlorodifluoromethane	ND		ug/kg	21	1
Acetone	130		ug/kg	21	1
Carbon disulfide	ND		ug/kg	21	1
2-Butanone	ND		ug/kg	21	1
Vinyl acetate	ND		ug/kg	21	1
4-Methyl-2-pentanone	ND		ug/kg	21	1
1,2,3-Trichloropropane	ND		ug/kg	21	1
2-Hexanone	ND		ug/kg	21	1
Bromochloromethane	ND		ug/kg	11	1
2,2-Dichloropropane	ND		ug/kg	11	1
1,2-Dibromoethane	ND		ug/kg	8.5	1
1,3-Dichloropropane	ND		ug/kg	11	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.1	1
Bromobenzene	ND		ug/kg	11	1
n-Butylbenzene	ND		ug/kg	2.1	1
sec-Butylbenzene	ND		ug/kg	2.1	1
tert-Butylbenzene	ND		ug/kg	11	1
o-Chlorotoluene	ND		ug/kg	11	1
p-Chlorotoluene	ND		ug/kg	11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	1
Hexachlorobutadiene	ND		ug/kg	11	1
Isopropylbenzene	ND		ug/kg	2.1	1
p-Isopropyltoluene	3.0		ug/kg	2.1	1
Naphthalene	ND		ug/kg	11	1
Acrylonitrile	ND		ug/kg	21	1
n-Propylbenzene	ND		ug/kg	2.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	11	1
1,2,4-Trichlorobenzene	ND		ug/kg	11	1
1,3,5-Trimethylbenzene	ND		ug/kg	11	1
1,2,4-Trimethylbenzene	ND		ug/kg	11	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-06	Date Collected:	06/02/09 10:00
Client ID:	GB 18-4-5	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	8.5	1
4-Ethyltoluene	ND		ug/kg	8.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.5	1
Ethyl ether	ND		ug/kg	11	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	125		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	88		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-06	R	Date Collected:	06/02/09 10:00
Client ID:	GB 18-4-5		Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260B			
Analytical Date:	06/08/09 14:49			
Analyst:	PD			
Percent Solids:	84%			

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	14	1
1,1-Dichloroethane	ND		ug/kg	2.1	1
Chloroform	ND		ug/kg	2.1	1
Carbon tetrachloride	ND		ug/kg	1.4	1
1,2-Dichloropropane	ND		ug/kg	5.0	1
Dibromochloromethane	ND		ug/kg	1.4	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	1
Tetrachloroethene	ND		ug/kg	1.4	1
Chlorobenzene	ND		ug/kg	1.4	1
Trichlorofluoromethane	ND		ug/kg	7.1	1
1,2-Dichloroethane	ND		ug/kg	1.4	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	1
Bromodichloromethane	ND		ug/kg	1.4	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	1
1,1-Dichloropropene	ND		ug/kg	7.1	1
Bromoform	ND		ug/kg	5.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	1
Benzene	ND		ug/kg	1.4	1
Toluene	ND		ug/kg	2.1	1
Ethylbenzene	ND		ug/kg	1.4	1
Chloromethane	ND		ug/kg	7.1	1
Bromomethane	ND		ug/kg	2.8	1
Vinyl chloride	ND		ug/kg	2.8	1
Chloroethane	ND		ug/kg	2.8	1
1,1-Dichloroethene	ND		ug/kg	1.4	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	1
Trichloroethene	ND		ug/kg	1.4	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-06 R Date Collected: 06/02/09 10:00

Client ID: GB 18-4-5 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	7.1	1
Methyl tert butyl ether	ND		ug/kg	2.8	1
p/m-Xylene	ND		ug/kg	2.8	1
o-Xylene	ND		ug/kg	2.8	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	1
Dibromomethane	ND		ug/kg	14	1
Styrene	ND		ug/kg	2.8	1
Dichlorodifluoromethane	ND		ug/kg	14	1
Acetone	89		ug/kg	14	1
Carbon disulfide	ND		ug/kg	14	1
2-Butanone	14		ug/kg	14	1
Vinyl acetate	ND		ug/kg	14	1
4-Methyl-2-pentanone	ND		ug/kg	14	1
1,2,3-Trichloropropane	ND		ug/kg	14	1
2-Hexanone	ND		ug/kg	14	1
Bromochloromethane	ND		ug/kg	7.1	1
2,2-Dichloropropane	ND		ug/kg	7.1	1
1,2-Dibromoethane	ND		ug/kg	5.7	1
1,3-Dichloropropane	ND		ug/kg	7.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	1
Bromobenzene	ND		ug/kg	7.1	1
n-Butylbenzene	ND		ug/kg	1.4	1
sec-Butylbenzene	ND		ug/kg	1.4	1
tert-Butylbenzene	ND		ug/kg	7.1	1
o-Chlorotoluene	ND		ug/kg	7.1	1
p-Chlorotoluene	ND		ug/kg	7.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	1
Hexachlorobutadiene	ND		ug/kg	7.1	1
Isopropylbenzene	ND		ug/kg	1.4	1
p-Isopropyltoluene	ND		ug/kg	1.4	1
Naphthalene	ND		ug/kg	7.1	1
Acrylonitrile	ND		ug/kg	14	1
n-Propylbenzene	ND		ug/kg	1.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-06	R	Date Collected:	06/02/09 10:00
Client ID:	GB 18-4-5		Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Diethylbenzene	ND		ug/kg	5.7	1
4-Ethyltoluene	ND		ug/kg	5.7	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	1
Ethyl ether	ND		ug/kg	7.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	**143**		70-130
4-Bromofluorobenzene	**193**		70-130
Dibromofluoromethane	106		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/08/09 09:38
Analyst: MM
TCLP Extraction Date: 06/04/09 15:55

Parameter	Result	Qualifier	Units	RDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 02,05 Batch: WG365723-3				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03,06 Batch: WG365894-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03,06 Batch: WG365894-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	10
2-Butanone	ND		ug/kg	10
Vinyl acetate	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
Acrylonitrile	ND		ug/kg	10

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/05/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03,06 Batch: WG365894-3				
n-Propylbenzene	ND		ug/kg	1.0
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
1,4-Diethylbenzene	ND		ug/kg	4.0
4-Ethyltoluene	ND		ug/kg	4.0
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0
Ethyl ether	ND		ug/kg	5.0
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	81		70-130

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/08/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03,06 Batch: WG365894-6				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/08/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03,06 Batch: WG365894-6				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	10
2-Butanone	ND		ug/kg	10
Vinyl acetate	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
Acrylonitrile	ND		ug/kg	10

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 06/08/09 09:02
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03,06 Batch: WG365894-6				
n-Propylbenzene	ND		ug/kg	1.0
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
1,4-Diethylbenzene	ND		ug/kg	4.0
4-Ethyltoluene	ND		ug/kg	4.0
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0
Ethyl ether	ND		ug/kg	5.0
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 02,05 Batch: WG365723-1 WG365723-2					
Chloroform	88	93	70-130	6	20
Carbon tetrachloride	81	81	70-130	0	20
Tetrachloroethene	96	96	70-130	0	20
Chlorobenzene	94	97	75-130	3	20
1,2-Dichloroethane	87	90	70-130	3	20
Benzene	89	89	76-127	0	20
Vinyl chloride	97	100	70-130	3	20
1,1-Dichloroethene	96	99	61-145	3	20
Trichloroethene	81	86	71-120	6	20
1,4-Dichlorobenzene	94	95	70-130	1	20
2-Butanone	92	82	70-130	11	20

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03,06 Batch: WG365894-1 WG365894-2					
Chlorobenzene	87	89	60-133	2	30
Benzene	86	86	66-142	0	30
Toluene	84	84	59-139	0	30
1,1-Dichloroethene	84	83	59-172	1	30
Trichloroethene	84	84	62-137	0	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	93		91		70-130
4-Bromofluorobenzene	88		84		70-130
Dibromofluoromethane	91		90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03,06 Batch: WG365894-4 WG365894-5					
Chlorobenzene	96	95	60-133	1	30
Benzene	88	86	66-142	2	30
Toluene	91	90	59-139	1	30
1,1-Dichloroethene	89	85	59-172	5	30
Trichloroethene	96	95	62-137	1	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	94		96		70-130
4-Bromofluorobenzene	107		109		70-130
Dibromofluoromethane	91		92		70-130

SEMIVOLATILES

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/09/09 03:05		
Analyst:	AK		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	440	1
Bis(2-chloroethyl)ether	ND		ug/kg	440	1
1,2-Dichlorobenzene	ND		ug/kg	440	1
1,3-Dichlorobenzene	ND		ug/kg	440	1
1,4-Dichlorobenzene	ND		ug/kg	440	1
3,3'-Dichlorobenzidine	ND		ug/kg	890	1
2,4-Dinitrotoluene	ND		ug/kg	440	1
2,6-Dinitrotoluene	ND		ug/kg	440	1
4-Chlorophenyl phenyl ether	ND		ug/kg	440	1
4-Bromophenyl phenyl ether	ND		ug/kg	440	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	1
Bis(2-chloroethoxy)methane	ND		ug/kg	440	1
Hexachlorocyclopentadiene	ND		ug/kg	890	1
Isophorone	ND		ug/kg	440	1
Nitrobenzene	ND		ug/kg	440	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	440	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	890	1
Butyl benzyl phthalate	ND		ug/kg	440	1
Di-n-butylphthalate	ND		ug/kg	440	1
Di-n-octylphthalate	ND		ug/kg	440	1
Diethyl phthalate	ND		ug/kg	440	1
Dimethyl phthalate	ND		ug/kg	440	1
Biphenyl	ND		ug/kg	440	1
4-Chloroaniline	ND		ug/kg	440	1
2-Nitroaniline	ND		ug/kg	440	1
3-Nitroaniline	ND		ug/kg	440	1
4-Nitroaniline	ND		ug/kg	620	1
Dibenzofuran	ND		ug/kg	440	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1800	1
2,4,6-Trichlorophenol	ND		ug/kg	440	1
P-Chloro-M-Cresol	ND		ug/kg	440	1
2-Chlorophenol	ND		ug/kg	530	1
2,4-Dichlorophenol	ND		ug/kg	890	1
2,4-Dimethylphenol	ND		ug/kg	440	1
2-Nitrophenol	ND		ug/kg	1800	1
4-Nitrophenol	ND		ug/kg	890	1
2,4-Dinitrophenol	ND		ug/kg	1800	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	1
Phenol	ND		ug/kg	620	1
2-Methylphenol	ND		ug/kg	530	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	1
2,4,5-Trichlorophenol	ND		ug/kg	440	1
Benzoic Acid	ND		ug/kg	4400	1
Benzyl Alcohol	ND		ug/kg	890	1
Carbazole	ND		ug/kg	440	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	60		19-120
4-Terphenyl-d14	57		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 12:06		
Analyst:	HL		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	89	5
2-Chloronaphthalene	ND		ug/kg	89	5
Fluoranthene	160		ug/kg	89	5
Hexachlorobutadiene	ND		ug/kg	220	5
Naphthalene	ND		ug/kg	89	5
Benzo(a)anthracene	ND		ug/kg	89	5
Benzo(a)pyrene	130		ug/kg	89	5
Benzo(b)fluoranthene	180		ug/kg	89	5
Benzo(k)fluoranthene	ND		ug/kg	89	5
Chrysene	ND		ug/kg	89	5
Acenaphthylene	ND		ug/kg	89	5
Anthracene	ND		ug/kg	89	5
Benzo(ghi)perylene	130		ug/kg	89	5
Fluorene	ND		ug/kg	89	5
Phenanthrene	130		ug/kg	89	5
Dibenzo(a,h)anthracene	ND		ug/kg	89	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	89	5
Pyrene	150		ug/kg	89	5
2-Methylnaphthalene	ND		ug/kg	89	5
Pentachlorophenol	ND		ug/kg	360	5
Hexachlorobenzene	ND		ug/kg	360	5
Hexachloroethane	ND		ug/kg	360	5

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	60		19-120
4-Terphenyl-d14	63		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/05/09 18:01
Analytical Date:	06/09/09 23:16		
Analyst:	AK		
Percent Solids:	75%		
TCLP/SPLP Ext. Date	06/03/09 16:00		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		43-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	81		33-120

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:09
Analytical Date:	06/09/09 03:29		
Analyst:	AK		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
1,2,4-Trichlorobenzene	ND		ug/kg	430	1
Bis(2-chloroethyl)ether	ND		ug/kg	430	1
1,2-Dichlorobenzene	ND		ug/kg	430	1
1,3-Dichlorobenzene	ND		ug/kg	430	1
1,4-Dichlorobenzene	ND		ug/kg	430	1
3,3'-Dichlorobenzidine	ND		ug/kg	850	1
2,4-Dinitrotoluene	ND		ug/kg	430	1
2,6-Dinitrotoluene	ND		ug/kg	430	1
4-Chlorophenyl phenyl ether	ND		ug/kg	430	1
4-Bromophenyl phenyl ether	ND		ug/kg	430	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	1
Bis(2-chloroethoxy)methane	ND		ug/kg	430	1
Hexachlorocyclopentadiene	ND		ug/kg	850	1
Isophorone	ND		ug/kg	430	1
Nitrobenzene	ND		ug/kg	430	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1300	1
n-Nitrosodi-n-propylamine	ND		ug/kg	430	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	850	1
Butyl benzyl phthalate	ND		ug/kg	430	1
Di-n-butylphthalate	ND		ug/kg	430	1
Di-n-octylphthalate	ND		ug/kg	430	1
Diethyl phthalate	ND		ug/kg	430	1
Dimethyl phthalate	ND		ug/kg	430	1
Biphenyl	ND		ug/kg	430	1
4-Chloroaniline	ND		ug/kg	430	1
2-Nitroaniline	ND		ug/kg	430	1
3-Nitroaniline	ND		ug/kg	430	1
4-Nitroaniline	ND		ug/kg	600	1
Dibenzofuran	ND		ug/kg	430	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	1

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab					
Acetophenone	ND		ug/kg	1700	1
2,4,6-Trichlorophenol	ND		ug/kg	430	1
P-Chloro-M-Cresol	ND		ug/kg	430	1
2-Chlorophenol	ND		ug/kg	510	1
2,4-Dichlorophenol	ND		ug/kg	850	1
2,4-Dimethylphenol	ND		ug/kg	430	1
2-Nitrophenol	ND		ug/kg	1700	1
4-Nitrophenol	ND		ug/kg	850	1
2,4-Dinitrophenol	ND		ug/kg	1700	1
4,6-Dinitro-o-cresol	ND		ug/kg	1700	1
Phenol	ND		ug/kg	600	1
2-Methylphenol	ND		ug/kg	510	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	1
2,4,5-Trichlorophenol	ND		ug/kg	430	1
Benzoic Acid	ND		ug/kg	4300	1
Benzyl Alcohol	ND		ug/kg	850	1
Carbazole	ND		ug/kg	430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	28		19-120
4-Terphenyl-d14	33		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8270C	Extraction Date:	06/04/09 14:11
Analytical Date:	06/09/09 12:36		
Analyst:	HL		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab					
Acenaphthene	ND		ug/kg	85	5
2-Chloronaphthalene	ND		ug/kg	85	5
Fluoranthene	650		ug/kg	85	5
Hexachlorobutadiene	ND		ug/kg	210	5
Naphthalene	790		ug/kg	85	5
Benzo(a)anthracene	290		ug/kg	85	5
Benzo(a)pyrene	310		ug/kg	85	5
Benzo(b)fluoranthene	440		ug/kg	85	5
Benzo(k)fluoranthene	160		ug/kg	85	5
Chrysene	310		ug/kg	85	5
Acenaphthylene	ND		ug/kg	85	5
Anthracene	94		ug/kg	85	5
Benzo(ghi)perylene	280		ug/kg	85	5
Fluorene	ND		ug/kg	85	5
Phenanthrene	470		ug/kg	85	5
Dibenzo(a,h)anthracene	ND		ug/kg	85	5
Indeno(1,2,3-cd)Pyrene	180		ug/kg	85	5
Pyrene	590		ug/kg	85	5
2-Methylnaphthalene	ND		ug/kg	85	5
Pentachlorophenol	ND		ug/kg	340	5
Hexachlorobenzene	ND		ug/kg	340	5
Hexachloroethane	ND		ug/kg	340	5

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	28		10-120
Nitrobenzene-d5	28		23-120
2-Fluorobiphenyl	31		30-120
2,4,6-Tribromophenol	25		19-120
4-Terphenyl-d14	34		18-120

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	06/05/09 18:01
Analytical Date:	06/09/09 23:40		
Analyst:	AK		
Percent Solids:	78%		
TCLP/SPLP Ext. Date	06/03/09 16:00		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	65		43-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	81		33-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 16:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:09

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG365236-1				
1,2,4-Trichlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
4-Chlorophenyl phenyl ether	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorocyclopentadiene	ND		ug/kg	670
Isophorone	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1000
n-Nitrosodi-n-propylamine	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Biphenyl	ND		ug/kg	330
4-Chloroaniline	ND		ug/kg	330
2-Nitroaniline	ND		ug/kg	330
3-Nitroaniline	ND		ug/kg	330
4-Nitroaniline	ND		ug/kg	470
Dibenzofuran	ND		ug/kg	330
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1300
Acetophenone	ND		ug/kg	1300

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 16:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:09

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG365236-1				
2,4,6-Trichlorophenol	ND		ug/kg	330
P-Chloro-M-Cresol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
4,6-Dinitro-o-cresol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330
Benzoic Acid	ND		ug/kg	3300
Benzyl Alcohol	ND		ug/kg	670
Carbazole	ND		ug/kg	330

Tentatively Identified Compounds

Unknown	50	J

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 16:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:09

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG365236-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	35		19-120
4-Terphenyl-d14	58		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 08:47
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:11

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,04 Batch: WG365237-1				
Acenaphthene	ND		ug/kg	13
2-Chloronaphthalene	ND		ug/kg	13
Fluoranthene	ND		ug/kg	13
Hexachlorobutadiene	ND		ug/kg	33
Naphthalene	ND		ug/kg	13
Benzo(a)anthracene	ND		ug/kg	13
Benzo(a)pyrene	ND		ug/kg	13
Benzo(b)fluoranthene	ND		ug/kg	13
Benzo(k)fluoranthene	ND		ug/kg	13
Chrysene	ND		ug/kg	13
Acenaphthylene	ND		ug/kg	13
Anthracene	ND		ug/kg	13
Benzo(ghi)perylene	ND		ug/kg	13
Fluorene	ND		ug/kg	13
Phenanthrene	ND		ug/kg	13
Dibenzo(a,h)anthracene	ND		ug/kg	13
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	13
Pyrene	ND		ug/kg	13
2-Methylnaphthalene	ND		ug/kg	13
Pentachlorophenol	ND		ug/kg	53
Hexachlorobenzene	ND		ug/kg	53
Hexachloroethane	ND		ug/kg	53

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/05/09 08:47
Analyst: HL

Extraction Method: EPA 3545
Extraction Date: 06/04/09 14:11

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,04 Batch: WG365237-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	39		30-120
2,4,6-Tribromophenol	31		19-120
4-Terphenyl-d14	41		18-120

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 06/09/09 21:39
Analyst: AK
TCLP Extraction Date: 06/03/09 16:00

Extraction Method: EPA 3510C
Extraction Date: 06/05/09 18:01

Parameter	Result	Qualifier	Units	RDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG365556-1				
Hexachlorobenzene	ND		ug/l	25
2,4-Dinitrotoluene	ND		ug/l	30
Hexachlorobutadiene	ND		ug/l	50
Hexachloroethane	ND		ug/l	25
Nitrobenzene	ND		ug/l	25
2,4,6-Trichlorophenol	ND		ug/l	25
Pentachlorophenol	ND		ug/l	50
2-Methylphenol	ND		ug/l	30
3-Methylphenol/4-Methylphenol	ND		ug/l	30
2,4,5-Trichlorophenol	ND		ug/l	25
Pyridine	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	62		43-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	79		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG365236-2 WG365236-3					
1,2,4-Trichlorobenzene	74	81	38-107	9	50
1,2-Dichlorobenzene	74	80	40-140	8	50
1,4-Dichlorobenzene	73	78	28-104	7	50
2,4-Dinitrotoluene	**93**	**99**	28-89	6	50
2,6-Dinitrotoluene	89	90	40-140	1	50
4-Chlorophenyl phenyl ether	87	88	40-140	1	50
n-Nitrosodi-n-propylamine	74	81	41-126	9	50
Butyl benzyl phthalate	97	100	40-140	3	50
P-Chloro-M-Cresol	94	94	26-103	0	50
2-Chlorophenol	78	85	25-102	9	50
2-Nitrophenol	80	86	30-130	7	50
4-Nitrophenol	85	98	11-114	14	50
2,4-Dinitrophenol	15	21	4-130	33	50
Phenol	82	86	26-90	5	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG365236-2 WG365236-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		90		25-120
Phenol-d6	81		88		10-120
Nitrobenzene-d5	78		87		23-120
2-Fluorobiphenyl	79		83		30-120
2,4,6-Tribromophenol	101		105		19-120
4-Terphenyl-d14	91		96		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,04 Batch: WG365237-2 WG365237-3

Acenaphthene	42	46	31-137	9	50
2-Chloronaphthalene	87	82	40-140	6	50
Fluoranthene	50	54	40-140	8	50
Anthracene	48	50	40-140	4	50
Pyrene	49	56	35-142	13	50
Pentachlorophenol	22	18	17-109	20	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,04 Batch: WG365237-2 WG365237-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		59		25-120
Phenol-d6	59		58		10-120
Nitrobenzene-d5	64		61		23-120
2-Fluorobiphenyl	60		54		30-120
2,4,6-Tribromophenol	65		58		19-120
4-Terphenyl-d14	63		65		18-120

TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365556-2 WG365556-3

Hexachlorobenzene	71	72	71-100	1	30
2,4-Dinitrotoluene	80	80	64-99	0	30
Hexachlorobutadiene	55	47	10-100	16	30
Hexachloroethane	66	53	13-82	22	30
Nitrobenzene	73	67	41-101	9	30
2,4,6-Trichlorophenol	71	76	53-99	7	30
Pentachlorophenol	78	70	55-112	11	30
2-Methylphenol	**85**	75	45-84	13	30
3-Methylphenol/4-Methylphenol	83	80	47-86	4	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIKERS ISLAND

Project Number: 5817802

Lab Number: L0907115

Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365556-2 WG365556-3					
2,4,5-Trichlorophenol	81	87	60-104	7	30
Pyridine	51	27	0-100	**62**	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		66		21-120
Phenol-d6	74		68		10-120
Nitrobenzene-d5	75		65		23-120
2-Fluorobiphenyl	62		60		43-120
2,4,6-Tribromophenol	67		70		10-120
4-Terphenyl-d14	77		82		33-120

PETROLEUM HYDROCARBONS

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8015B(M)	Extraction Date:	06/06/09 00:30
Analytical Date:	06/08/09 14:38		
Analyst:	RT		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	231000		ug/kg	44400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/03/09 12:47
Analytical Date:	06/05/09 10:56		
Analyst:	RT		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab					
TPH	1040000		ug/kg	214000	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		40-140

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/04/09 12:20
Analyst: RT

Extraction Method: EPA 3546
Extraction Date: 06/03/09 12:47

Parameter	Result	Qualifier	Units	RDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04 Batch: WG365028-1				
TPH	ND		ug/kg	33300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/08/09 12:00
Analyst: RT

Extraction Method: EPA 3540C
Extraction Date: 06/06/09 00:30

Parameter	Result	Qualifier	Units	RDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG365608-1				
TPH	ND		ug/kg	33300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 Batch: WG365028-2					
TPH	68	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89				40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG365608-2					
TPH	85	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 QC Batch ID: WG365028-4 QC Sample: L0907023-01 Client ID: DUP Sample					
TPH	96900	219000	ug/kg	**77**	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		49		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG365608-3 QC Sample: L0907185-01 Client ID: DUP Sample					
TPH	74400	59200	ug/kg	23	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		86		40-140

PCBS

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/09/09 06:52	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	44.4	1
Aroclor 1221	ND		ug/kg	44.4	1
Aroclor 1232	ND		ug/kg	44.4	1
Aroclor 1242	ND		ug/kg	44.4	1
Aroclor 1248	ND		ug/kg	44.4	1
Aroclor 1254	ND		ug/kg	44.4	1
Aroclor 1260	ND		ug/kg	44.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	06/05/09 14:54
Analytical Date:	06/10/09 15:35	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	06/08/09
Percent Solids:	78%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	06/10/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab					
Aroclor 1016	ND		ug/kg	42.7	1
Aroclor 1221	ND		ug/kg	42.7	1
Aroclor 1232	ND		ug/kg	42.7	1
Aroclor 1242	ND		ug/kg	42.7	1
Aroclor 1248	ND		ug/kg	42.7	1
Aroclor 1254	ND		ug/kg	42.7	1
Aroclor 1260	ND		ug/kg	42.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/08/09 20:41
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/05/09 14:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/08/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG365510-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/10/09 15:47
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/05/09 14:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/08/09
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/10/09

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG366258-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG365510-2 WG365510-3					
Aroclor 1016	85	106	40-140	22	30
Aroclor 1260	91	103	40-140	12	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		86		30-150	A
Decachlorobiphenyl	99		108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		88		30-150	B
Decachlorobiphenyl	116		118		30-150	B

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG366258-2 WG366258-3					
Aroclor 1016	90	102	40-140	13	30
Aroclor 1260	83	98	40-140	17	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		86		30-150	A
Decachlorobiphenyl	85		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		89		30-150	B
Decachlorobiphenyl	113		113		30-150	B

PESTICIDES

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/10/09 14:41	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	75%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	111	25
Lindane	ND		ug/kg	111	25
Alpha-BHC	ND		ug/kg	111	25
Beta-BHC	ND		ug/kg	111	25
Heptachlor	ND		ug/kg	111	25
Aldrin	ND		ug/kg	111	25
Heptachlor epoxide	ND		ug/kg	111	25
Endrin	ND		ug/kg	111	25
Endrin ketone	ND		ug/kg	111	25
Dieldrin	ND		ug/kg	111	25
4,4'-DDE	ND		ug/kg	111	25
4,4'-DDD	ND		ug/kg	111	25
4,4'-DDT	ND		ug/kg	111	25
Endosulfan I	ND		ug/kg	111	25
Endosulfan II	ND		ug/kg	111	25
Endosulfan sulfate	ND		ug/kg	111	25
Methoxychlor	ND		ug/kg	444	25
trans-Chlordane	ND		ug/kg	111	25
Chlordane	ND		ug/kg	1110	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	A
Decachlorobiphenyl	**0**		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**		30-150	B
Decachlorobiphenyl	**0**		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/06/09 06:20
Analytical Date:	06/09/09 14:05	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	75%	Cleanup Method2:	- - - -
TCLP/SPLP Ext. Date	06/03/09 16:00		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	131		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 22:39		
Analyst:	JB		
Percent Solids:	75%		
TCLP/SPLP Ext. Date	06/03/09 16:00		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	52		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	1,8081A	Extraction Date:	06/04/09 15:19
Analytical Date:	06/09/09 17:24	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	78%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab					
Delta-BHC	ND		ug/kg	21.4	5
Lindane	ND		ug/kg	21.4	5
Alpha-BHC	ND		ug/kg	21.4	5
Beta-BHC	ND		ug/kg	21.4	5
Heptachlor	ND		ug/kg	21.4	5
Aldrin	ND		ug/kg	21.4	5
Heptachlor epoxide	ND		ug/kg	21.4	5
Endrin	ND		ug/kg	21.4	5
Endrin ketone	ND		ug/kg	21.4	5
Dieldrin	ND		ug/kg	21.4	5
4,4'-DDE	ND		ug/kg	21.4	5
4,4'-DDD	ND		ug/kg	21.4	5
4,4'-DDT	ND		ug/kg	21.4	5
Endosulfan I	ND		ug/kg	21.4	5
Endosulfan II	ND		ug/kg	21.4	5
Endosulfan sulfate	ND		ug/kg	21.4	5
Methoxychlor	ND		ug/kg	85.5	5
trans-Chlordane	ND		ug/kg	21.4	5
Chlordane	ND		ug/kg	214	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	32		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8082/8081	Extraction Date:	06/06/09 06:20
Analytical Date:	06/09/09 14:18	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/09/09
Percent Solids:	78%	Cleanup Method2:	- - - -
TCLP/SPLP Ext. Date	06/03/09 16:00		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by EPA 1311 - Westborough Lab					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/06/09 07:17
Analytical Date:	06/08/09 22:59		
Analyst:	JB		
Percent Solids:	78%		
TCLP/SPLP Ext. Date	06/03/09 16:00		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Herbicides by EPA 1311 - Westborough Lab					
2,4-D	ND		mg/l	0.025	1
2,4,5-TP (Silvex)	ND		mg/l	0.003	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	50		30-150	A
DCAA	51		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 06/09/09 10:46
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/04/09 15:19
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/09/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04 Batch: WG365249-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	3.33
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
trans-Chlordane	ND		ug/kg	3.33
Chlordane	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082/8081
Analytical Date: 06/09/09 13:25
Analyst: JB
TCLP Extraction Date: 06/03/09 16:00

Extraction Method: EPA 3510C
Extraction Date: 06/06/09 06:20
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/09/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG365610-1				
Lindane	ND		ug/l	0.100
Heptachlor	ND		ug/l	0.100
Heptachlor epoxide	ND		ug/l	0.100
Endrin	ND		ug/l	0.200
Methoxychlor	ND		ug/l	1.00
Toxaphene	ND		ug/l	1.00
Chlordane	ND		ug/l	1.00

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/08/09 19:39
Analyst: JB
TCLP Extraction Date: 06/01/09 16:40

Extraction Method: EPA 8151A
Extraction Date: 06/06/09 07:17

Parameter	Result	Qualifier	Units	RDL
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG365611-1				
2,4-D	ND		mg/l	0.025
2,4,5-TP (Silvex)	ND		mg/l	0.003

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	43		30-150	A
DCAA	41		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG365249-2 WG365249-3					
Delta-BHC	60	58	30-150	3	30
Lindane	60	59	30-150	2	30
Alpha-BHC	58	57	30-150	2	30
Beta-BHC	60	61	30-150	2	30
Heptachlor	58	58	30-150	0	30
Aldrin	61	62	30-150	2	30
Heptachlor epoxide	70	72	30-150	3	30
Endrin	67	70	30-150	4	30
Endrin ketone	68	71	30-150	4	30
Dieldrin	70	73	30-150	4	30
4,4'-DDE	71	72	30-150	1	30
4,4'-DDD	78	81	30-150	4	30
4,4'-DDT	68	74	30-150	8	30
Endosulfan I	69	72	30-150	4	30
Endosulfan II	68	69	30-150	1	30
Endosulfan sulfate	59	59	30-150	0	30
Methoxychlor	64	68	30-150	6	30
trans-Chlordane	64	66	30-150	3	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG365249-2 WG365249-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		49		30-150	A
Decachlorobiphenyl	90		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		47		30-150	B
Decachlorobiphenyl	62		56		30-150	B

TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365610-2 WG365610-3					
Lindane	87	92	30-150	6	20
Heptachlor	82	89	30-150	7	20
Heptachlor epoxide	102	110	30-150	8	20
Endrin	96	105	30-150	9	20
Methoxychlor	88	101	30-150	14	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365610-2 WG365610-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		89		30-150	A
Decachlorobiphenyl	116		135		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	B
Decachlorobiphenyl	77		80		30-150	B

TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365611-2 WG365611-3					
2,4-D	116	97	30-150	18	25
2,4,5-TP (Silvex)	52	42	30-150	21	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		47		30-150	A
DCAA	68		53		30-150	B

METALS

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907115
Project Number:	5817802	**Report Date:**	06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	06/03/09 16:00
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI
Barium, TCLP	0.82		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI
Lead, TCLP	0.99		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI
Mercury, TCLP	ND		mg/l	0.0010	1	06/04/09 18:00	06/05/09 13:17	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	06/05/09 11:40	06/08/09 15:36	EPA 3015	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-01 Date Collected: 06/02/09 09:10

Client ID: COMP 6 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	6000		mg/kg	5.2	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Antimony, Total	4.5		mg/kg	2.6	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Arsenic, Total	29		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Barium, Total	700		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Beryllium, Total	0.53		mg/kg	0.26	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Cadmium, Total	1.4		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Calcium, Total	11000		mg/kg	5.2	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Chromium, Total	19		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Cobalt, Total	8.2		mg/kg	1.0	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Copper, Total	960		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Iron, Total	21000		mg/kg	2.6	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Lead, Total	840		mg/kg	2.6	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Magnesium, Total	2200		mg/kg	5.2	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Manganese, Total	200		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Mercury, Total	0.94		mg/kg	0.10	1	06/06/09 13:00	06/08/09 12:28	EPA 7471A	1,7471A	EZ
Nickel, Total	25		mg/kg	1.3	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Potassium, Total	1400		mg/kg	130	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.0	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Silver, Total	1.4		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Sodium, Total	1800		mg/kg	100	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.0	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Vanadium, Total	21		mg/kg	0.52	1	06/03/09 16:00	06/04/09 09:48	EPA 3050B	1,6010B	MG
Zinc, Total	690		mg/kg	26	10	06/03/09 16:00	06/04/09 15:41	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-04 Date Collected: 06/02/09 10:45

Client ID: COMP 7 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 06/03/09 16:00

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab										
Arsenic, TCLP	ND		mg/l	1.0	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI
Barium, TCLP	1.2		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI
Lead, TCLP	2.6		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI
Mercury, TCLP	ND		mg/l	0.0010	1	06/04/09 18:00	06/05/09 13:26	EPA 7470A	1,7470A	EZ
Selenium, TCLP	ND		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	06/05/09 11:40	06/08/09 15:46	EPA 3015	1,6010B	AI

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-04 Date Collected: 06/02/09 10:45

Client ID: COMP 7 Date Received: 06/02/09

Sample Location: RIKERS ISLAND, NY Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date:

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Aluminum, Total	5800		mg/kg	26	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	13	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Arsenic, Total	23		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Barium, Total	800		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	1.3	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Cadmium, Total	3.1		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Calcium, Total	13000		mg/kg	26	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Chromium, Total	46		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Cobalt, Total	9.6		mg/kg	5.2	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Copper, Total	420		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Iron, Total	47000		mg/kg	13	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Lead, Total	2200		mg/kg	13	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	26	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Manganese, Total	300		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Mercury, Total	4.2		mg/kg	0.53	5	06/06/09 13:00	06/08/09 13:34	EPA 7471A	1,7471A	EZ
Nickel, Total	34		mg/kg	6.4	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Potassium, Total	ND		mg/kg	640	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	5.2	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Silver, Total	11		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Sodium, Total	2000		mg/kg	520	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	5.2	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Vanadium, Total	26		mg/kg	2.6	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG
Zinc, Total	1000		mg/kg	13	5	06/03/09 16:00	06/04/09 09:51	EPA 3050B	1,6010B	MG

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG365111-1									
Aluminum, Total	ND		mg/kg	4.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Calcium, Total	ND		mg/kg	4.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Potassium, Total	ND		mg/kg	100	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Sodium, Total	ND		mg/kg	80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	1	06/03/09 16:00	06/04/09 08:52	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG365323-1									
Mercury, TCLP	ND		mg/l	0.0010	1	06/04/09 18:00	06/05/09 13:14	1,7470A	EZ

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP Extraction Date: 06/03/09 16:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG365481-1									
Barium, TCLP	ND		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI
Lead, TCLP	ND		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/03/09 16:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG365481-1									
Arsenic, TCLP	ND		mg/l	1.0	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI
Cadmium, TCLP	ND		mg/l	0.10	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI
Chromium, TCLP	ND		mg/l	0.20	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI
Selenium, TCLP	ND		mg/l	0.50	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI
Silver, TCLP	ND		mg/l	0.10	1	06/05/09 11:40	06/08/09 15:29	1,6010B	AI

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/03/09 16:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG365623-1									
Mercury, Total	ND		mg/kg	0.08	1	06/06/09 13:00	06/08/09 12:10	1,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG365111-2					
Aluminum, Total	99	-	75-125	-	
Antimony, Total	99	-	75-125	-	
Arsenic, Total	97	-	75-125	-	
Barium, Total	99	-	75-125	-	
Beryllium, Total	104	-	75-125	-	
Cadmium, Total	107	-	75-125	-	
Calcium, Total	94	-	75-125	-	
Chromium, Total	103	-	75-125	-	
Cobalt, Total	104	-	75-125	-	
Copper, Total	99	-	75-125	-	
Iron, Total	104	-	75-125	-	
Lead, Total	97	-	75-125	-	
Magnesium, Total	96	-	75-125	-	
Manganese, Total	99	-	75-125	-	
Nickel, Total	99	-	75-125	-	
Potassium, Total	89	-	75-125	-	
Selenium, Total	95	-	75-125	-	
Silver, Total	107	-	75-125	-	
Sodium, Total	101	-	75-125	-	
Thallium, Total	95	-	75-125	-	
Vanadium, Total	104	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG365111-2					
Zinc, Total	104	-	75-125	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365323-2					
Mercury, TCLP	110	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG365481-2					
Arsenic, TCLP	110	-	75-125	-	20
Barium, TCLP	99	-	75-125	-	20
Cadmium, TCLP	110	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	98	-	75-125	-	20
Selenium, TCLP	110	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG365623-2					
Mercury, Total	116	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365111-4 QC Sample: L0907129-31 Client ID: MS Sample									
Aluminum, Total	7000	86.7	7100	115	-	-	75-125	-	35
Antimony, Total	ND	21.7	7.1	**33**	-	-	75-125	-	35
Arsenic, Total	6.5	5.2	11	86	-	-	75-125	-	35
Barium, Total	110	86.7	200	104	-	-	75-125	-	35
Beryllium, Total	0.53	2.17	2.6	96	-	-	75-125	-	35
Cadmium, Total	0.49	2.21	2.5	91	-	-	75-125	-	35
Calcium, Total	8500	433	8700	**46**	-	-	75-125	-	35
Chromium, Total	16	8.67	23	81	-	-	75-125	-	35
Cobalt, Total	5.1	21.7	24	87	-	-	75-125	-	35
Copper, Total	42	10.8	57	**138**	-	-	75-125	-	35
Iron, Total	12000	43.3	11000	**0**	-	-	75-125	-	35
Lead, Total	150	22.1	160	**45**	-	-	75-125	-	35
Magnesium, Total	3000	433	3500	115	-	-	75-125	-	35
Manganese, Total	260	21.7	260	**0**	-	-	75-125	-	35
Nickel, Total	12	21.7	30	83	-	-	75-125	-	35
Potassium, Total	1200	433	1700	115	-	-	75-125	-	35
Selenium, Total	ND	5.2	4.7	90	-	-	75-125	-	35
Silver, Total	ND	13	13	100	-	-	75-125	-	35
Sodium, Total	170	433	590	97	-	-	75-125	-	35
Thallium, Total	ND	5.2	3.9	75	-	-	75-125	-	35
Vanadium, Total	24	21.7	39	**69**	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907115
Report Date: 06/11/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365111-4 QC Sample: L0907129-31 Client ID: MS Sample									
Zinc, Total	120	21.7	170	**231**	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365323-4 QC Sample: L0907115-01 Client ID: COMP 6									
Mercury, TCLP	ND	0.005	0.0067	**134**	-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365481-4 QC Sample: L0907115-01 Client ID: COMP 6									
Arsenic, TCLP	ND	10	11	110	-	-	75-125	-	20
Barium, TCLP	0.82	100	100	99	-	-	75-125	-	20
Cadmium, TCLP	ND	10	11	110	-	-	75-125	-	20
Chromium, TCLP	ND	10	10	100	-	-	75-125	-	20
Lead, TCLP	0.99	10	11	100	-	-	75-125	-	20
Selenium, TCLP	ND	20	22	110	-	-	75-125	-	20
Silver, TCLP	ND	10	9.5	95	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365623-4 QC Sample: L0907098-01 Client ID: MS Sample									
Mercury, Total	ND	0.168	0.23	**137**	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365111-3 QC Sample: L0907129-31 Client ID: DUP Sample					
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	6.5	6.0	mg/kg	8	35
Barium, Total	110	100	mg/kg	10	35
Beryllium, Total	0.53	0.49	mg/kg	8	35
Cadmium, Total	0.49	0.56	mg/kg	13	35
Copper, Total	42	38	mg/kg	10	35
Lead, Total	150	130	mg/kg	14	35
Nickel, Total	12	12	mg/kg	0	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	120	140	mg/kg	15	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365323-3 QC Sample: L0907115-01 Client ID: COMP 6					
Mercury, TCLP	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365481-3 QC Sample: L0907115-01 Client ID: COMP 6					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.82	0.83	mg/l	1	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.99	0.98	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365623-3 QC Sample: L0907098-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907115
Project Number:	5817802	**Report Date:**	06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-01	Date Collected:	06/02/09 09:10
Client ID:	COMP 6	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Coarse
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907115
Project Number:	5817802	**Report Date:**	06/11/09

SAMPLE RESULTS

Lab ID:	L0907115-04	Date Collected:	06/02/09 10:45
Client ID:	COMP 7	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/03/09 11:20	1,1030	TH

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-01
Client ID: COMP 6
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 09:10
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	75		%	0.10	1	-	06/07/09 15:45	30,2540G	NM
pH	7.9		SU	-	1	-	06/05/09 22:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/04/09 17:05	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-03
Client ID: GB 15-7-8
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 08:25
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	72		%	0.10	1	-	06/08/09 09:54	30,2540G	MC

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-04
Client ID: COMP 7
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 10:45
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	78		%	0.10	1	-	06/07/09 15:45	30,2540G	NM
pH	7.7		SU	-	1	-	06/05/09 22:00	1,9045C	BH
Cyanide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Sulfide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
Paint Filter Liquid	NEGATIVE		-	0	1	-	06/04/09 17:05	1,9095A	ST

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

SAMPLE RESULTS

Lab ID: L0907115-06
Client ID: GB 18-4-5
Sample Location: RIKERS ISLAND, NY
Matrix: Soil

Date Collected: 06/02/09 10:00
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	84		%	0.10	1	-	06/08/09 09:54	30,2540G	MC

Project Name: RIKERS ISLAND **Lab Number:** L0907115

Project Number: 5817802 **Report Date:** 06/11/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG365483-1									
Sulfide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG365486-1									
Cyanide, Reactive	ND		mg/kg	10	1	-	06/05/09 11:30	1,7.3	TH

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG365483-2					
Sulfide, Reactive	80	-	60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG365486-2					
Cyanide, Reactive	75	-	30-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG365596-1					
pH	101	-		-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365483-3 QC Sample: L0907167-01 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365486-3 QC Sample: L0907167-01 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365596-2 QC Sample: L0907107-01 Client ID: DUP Sample					
pH	7.7	7.8	SU	1	
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG365657-1 QC Sample: L0907167-01 Client ID: DUP Sample					
Solids, Total	98	97	%	1	20
General Chemistry - Westborough Lab Associated sample(s): 03,06 QC Batch ID: WG365694-1 QC Sample: L0907219-01 Client ID: DUP Sample					
Solids, Total	89	89	%	0	20

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907115-01A	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0907115-01B	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907115-01C	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0907115-01D	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L0907115-01E	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L0907115-02A	Vial Large unpreserved	A	N/A	2.0	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0907115-03A	25 gram Encore Sampler	A	N/A	2.0	Y	Absent	TS(7),ENCORE-SPLIT()
L0907115-03B	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907115-03C	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907115-03D	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907115-04A	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14)
L0907115-04B	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L0907115-04C	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14),TPH-DRO-D(14)
L0907115-04D	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L0907115-04E	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Hold days indicated by values in parentheses

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907115
Report Date: 06/11/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907115-05A	Vial Large unpreserved	A	N/A	2.0	Y	Absent	TCLP-EXT-ZHE(14),TCLP-VOA(14)
L0907115-06A	25 gram Encore Sampler	A	N/A	2.0	Y	Absent	TS(7),ENCORE-SPLIT()
L0907115-06B	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907115-06C	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()
L0907115-06D	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14),ENCORE-SPLIT()

Container Comments

L0907115-03A

L0907115-04B

L0907115-06A

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907115
Project Number:	5817802	**Report Date:**	06/11/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907115
Project Number: 5817802 **Report Date:** 06/11/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 9, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671.
Non-Potable Water (Organic Parameters: EPA 3510C, 625, 608, 8081A, 8082, 8151A, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

06110916:20

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA TOTAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/2/09

ALPHA Job #: L0907115

Client Information

Client: Langan Engineering

Address: 360 W. 31st Street, 4th FLR New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island

Project Location: Rikers Island, NY

Project #: 5817802

Project Manager: Jason Hayes

ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/9/09 Time:

Report Information - Data Deliverables

☑ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY Disposal Waste Classification

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	TPH	Pesticides	Paint Filter	RCRA Characteristics	TCLP RCRA Metals, SVOCs, Pesticides, Herbicides	TCLP VOCs	Sample Specific Comments	TOTAL # BOTTLES
07115-01	Comp 6	6/2/09	910	S	JFG		X	X	X	X	X	X	X	X			
-02	GB 15-4-9	6/2/09	830	S	JFG										X		
-03	GB 15-7-8	6/2/09	825	S	JFG	X										Encore	
-04	Comp 7	6/2/09	1045	S	JFG		X	X	X	X	X	X	X	X			
-05	GB 18-[redacted]5-6	6/2/09	1005	S	JFG										X		
-06	GB 18-4-5	6/2/09	1000	S	JFG	X										Encore	
					Container Type	E	A	A	A	A	A	A	A	A	A		
					Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/2/09 1600	[signature]	6/2/09 1600
[signature]	6/2/09 1700	[signature]	6/2/09 1700
[signature]	6/2/09 20:40	[signature]	6/2/09 20:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L0907044
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/17/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907044-01	SV-3-6/01/09	RIKERS ISLAND, NY	06/01/09 10:45
L0907044-02	SV-1-6/01/09	RIKERS ISLAND, NY	06/01/09 11:10
L0907044-03	SV-2-6/01/09	RIKERS ISLAND, NY	06/01/09 12:40
L0907044-04	SV-4-6/01/09	RIKERS ISLAND, NY	06/01/09 12:55
L0907044-05	SV-5-6/01/09	RIKERS ISLAND, NY	06/01/09 14:30

Project Name: RIKERS ISLAND **Lab Number:** L0907044
Project Number: 5817802 **Report Date:** 06/17/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission
This report replaces the report issued on June 8, 2009. It has been amended to include Trichloroethene via TO15-SIM. The narrative section has also been amended.

Volatile Organics in Air
L0907044-01 through 05 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.
L0907044-01, -03, and -04: The results for Propylene should be considered estimated due to co-elution with a non-target peak.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907044
Project Number:	5817802	**Report Date:**	06/17/09

Case Narrative (continued)

L0907044-05 results for Propylene and Acetone should be considered estimated due to co-elution with a non-target peak.

L0907044-05 The presence of 2,2,4-Trimethylpentane could not be determined in this sample due to non-target compounds interfering with the identification and quantification of this compound.

L0907044-01, -03, -04 and -05 were re-analyzed on dilution in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

The WG365201-2 LCS recoveries associated with L0907044-01 through -05 are outside the 70%-130% acceptance limit for 1,2,4-Trichlorobenzene (131%), 1,2-Dichloro-1,1,2,2-Tetrafluoroethane (131%), n-Hexane (56%) and trans-1,3-Dichloropropene (57%). The LCS was within overall method allowances, therefore the analysis proceeded.

Volatile Organics in Air (SIM)

L0907044-01 through -05 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Fixed Gases

L0907044-01 through -05: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien

Title: Technical Director/Representative Date: 06/17/09

AIR

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-01 D
Client ID: SV-3-6/01/09
Sample Location: RIKERS ISLAND, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/04/09 00:33
Analyst: AJ

Date Collected: 06/01/09 10:45
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.400	ND	2.18		2
1,1,2,2-Tetrachloroethane	ND	0.400	ND	2.74		2
1,1,2-Trichloroethane	ND	0.400	ND	2.18		2
1,1-Dichloroethane	ND	0.400	ND	1.62		2
1,1-Dichloroethene	ND	0.400	ND	1.58		2
1,2,4-Trichlorobenzene	ND	0.400	ND	2.97		2
1,2,4-Trimethylbenzene	25.0	0.400	123	1.96		2
1,2-Dibromoethane	ND	0.400	ND	3.07		2
1,2-Dichlorobenzene	ND	0.400	ND	2.40		2
1,2-Dichloroethane	ND	0.400	ND	1.62		2
1,2-Dichloropropane	ND	0.400	ND	1.85		2
1,3,5-Trimethybenzene	6.54	0.400	32.1	1.96		2
1,3-Butadiene	ND	0.400	ND	0.884		2
1,3-Dichlorobenzene	ND	0.400	ND	2.40		2
1,4-Dichlorobenzene	ND	0.400	ND	2.40		2
1,4-Dioxane	ND	0.400	ND	1.44		2
2,2,4-Trimethylpentane	ND	0.400	ND	1.87		2
2-Butanone	349	0.400	1030	1.18	E	2
2-Hexanone	13.3	0.400	54.3	1.64		2
3-Chloropropene	ND	0.400	ND	1.25		2
4-Ethyltoluene	4.88	0.400	24.0	1.96		2
Acetone	144	1.00	341	2.37		2
Benzene	1.06	0.400	3.39	1.28		2
Benzyl chloride	ND	0.400	ND	2.07		2
Bromodichloromethane	ND	0.400	ND	2.68		2

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-01 D
Client ID: SV-3-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 10:45
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.400	ND	4.13		2
Bromomethane	ND	0.400	ND	1.55		2
Carbon disulfide	2.59	0.400	8.05	1.24		2
Carbon tetrachloride	ND	0.400	ND	2.51		2
Chlorobenzene	ND	0.400	ND	1.84		2
Chloroethane	ND	0.400	ND	1.05		2
Chloroform	0.525	0.400	2.56	1.95		2
Chloromethane	ND	0.400	ND	0.825		2
cis-1,2-Dichloroethene	ND	0.400	ND	1.58		2
cis-1,3-Dichloropropene	ND	0.400	ND	1.81		2
Cyclohexane	0.730	0.400	2.51	1.38		2
Dibromochloromethane	ND	0.400	ND	3.40		2
Dichlorodifluoromethane	0.963	0.400	4.76	1.98		2
Ethanol	37.2	5.00	69.9	9.41		2
Ethyl Acetate	ND	1.00	ND	3.60		2
Ethylbenzene	5.96	0.400	25.8	1.74		2
Freon-113	ND	0.400	ND	3.06		2
Freon-114	ND	0.400	ND	2.79		2
Hexachlorobutadiene	ND	0.400	ND	4.26		2
Isopropanol	1.39	1.00	3.40	2.46		2
Methylene chloride	ND	1.00	ND	3.47		2
4-Methyl-2-pentanone	1.80	0.400	7.36	1.64		2
Methyl tert butyl ether	ND	0.400	ND	1.44		2
p/m-Xylene	20.1	0.800	87.0	3.47		2
o-Xylene	9.17	0.400	39.8	1.74		2
Heptane	1.37	0.400	5.60	1.64		2
n-Hexane	0.591	0.400	2.08	1.41		2
Propylene	29.4	0.400	50.5	0.688		2

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-01 D
Client ID: SV-3-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 10:45
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	4.66	0.400	19.8	1.70		2
Tetrachloroethene	1.54	0.400	10.5	2.71		2
Tetrahydrofuran	156	0.400	459	1.18		2
Toluene	7.71	0.400	29.0	1.51		2
trans-1,2-Dichloroethene	ND	0.400	ND	1.58		2
trans-1,3-Dichloropropene	ND	0.400	ND	1.81		2
Trichloroethene	ND	0.400	ND	2.15		2
Trichlorofluoromethane	0.724	0.400	4.06	2.24		2
Vinyl acetate	ND	0.400	ND	1.41		2
Vinyl bromide	ND	0.400	ND	1.75		2
Vinyl chloride	ND	0.400	ND	1.02		2

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-01 D	Date Collected:	06/01/09 10:45
Client ID:	SV-3-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/04/09 00:33		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.040	ND	0.215		2

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-01 DR	Date Collected:	06/01/09 10:45
Client ID:	SV-3-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	06/04/09 11:15		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab						
2-Butanone	310	1.00	912	2.95		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-02 D
Client ID: SV-1-6/01/09
Sample Location: RIKERS ISLAND, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/04/09 01:06
Analyst: AJ

Date Collected: 06/01/09 11:10
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	1.00	ND	5.45		5
1,1,2,2-Tetrachloroethane	ND	1.00	ND	6.86		5
1,1,2-Trichloroethane	ND	1.00	ND	5.45		5
1,1-Dichloroethane	ND	1.00	ND	4.04		5
1,1-Dichloroethene	ND	1.00	ND	3.96		5
1,2,4-Trichlorobenzene	ND	1.00	ND	7.42		5
1,2,4-Trimethylbenzene	19.5	1.00	95.7	4.91		5
1,2-Dibromoethane	ND	1.00	ND	7.68		5
1,2-Dichlorobenzene	ND	1.00	ND	6.01		5
1,2-Dichloroethane	ND	1.00	ND	4.04		5
1,2-Dichloropropane	ND	1.00	ND	4.62		5
1,3,5-Trimethybenzene	5.59	1.00	27.5	4.91		5
1,3-Butadiene	ND	1.00	ND	2.21		5
1,3-Dichlorobenzene	ND	1.00	ND	6.01		5
1,4-Dichlorobenzene	ND	1.00	ND	6.01		5
1,4-Dioxane	ND	1.00	ND	3.60		5
2,2,4-Trimethylpentane	ND	1.00	ND	4.67		5
2-Butanone	478	1.00	1410	2.95		5
2-Hexanone	7.28	1.00	29.8	4.09		5
3-Chloropropene	ND	1.00	ND	3.13		5
4-Ethyltoluene	3.98	1.00	19.5	4.91		5
Acetone	189	2.50	448	5.93		5
Benzene	ND	1.00	ND	3.19		5
Benzyl chloride	ND	1.00	ND	5.17		5
Bromodichloromethane	ND	1.00	ND	6.70		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-02 D
Client ID: SV-1-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 11:10
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	1.00	ND	10.3		5
Bromomethane	ND	1.00	ND	3.88		5
Carbon disulfide	ND	1.00	ND	3.11		5
Carbon tetrachloride	ND	1.00	ND	6.29		5
Chlorobenzene	ND	1.00	ND	4.60		5
Chloroethane	ND	1.00	ND	2.64		5
Chloroform	1.01	1.00	4.91	4.88		5
Chloromethane	ND	1.00	ND	2.06		5
cis-1,2-Dichloroethene	ND	1.00	ND	3.96		5
cis-1,3-Dichloropropene	ND	1.00	ND	4.53		5
Cyclohexane	ND	1.00	ND	3.44		5
Dibromochloromethane	ND	1.00	ND	8.51		5
Dichlorodifluoromethane	ND	1.00	ND	4.94		5
Ethanol	53.2	12.5	100	23.5		5
Ethyl Acetate	ND	2.50	ND	9.00		5
Ethylbenzene	4.06	1.00	17.6	4.34		5
Freon-113	ND	1.00	ND	7.66		5
Freon-114	ND	1.00	ND	6.98		5
Hexachlorobutadiene	ND	1.00	ND	10.6		5
Isopropanol	2.54	2.50	6.25	6.14		5
Methylene chloride	ND	2.50	ND	8.68		5
4-Methyl-2-pentanone	2.32	1.00	9.51	4.09		5
Methyl tert butyl ether	1.24	1.00	4.46	3.60		5
p/m-Xylene	15.8	2.00	68.6	8.68		5
o-Xylene	6.92	1.00	30.0	4.34		5
Heptane	1.44	1.00	5.89	4.10		5
n-Hexane	ND	1.00	ND	3.52		5
Propylene	45.5	1.00	78.3	1.72		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-02 D
Client ID: SV-1-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 11:10
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	2.83	1.00	12.1	4.26		5
Tetrachloroethene	1.10	1.00	7.44	6.78		5
Tetrahydrofuran	209	1.00	616	2.95		5
Toluene	6.57	1.00	24.7	3.76		5
trans-1,2-Dichloroethene	ND	1.00	ND	3.96		5
trans-1,3-Dichloropropene	ND	1.00	ND	4.53		5
Trichloroethene	ND	1.00	ND	5.37		5
Trichlorofluoromethane	ND	1.00	ND	5.61		5
Vinyl acetate	ND	1.00	ND	3.52		5
Vinyl bromide	ND	1.00	ND	4.37		5
Vinyl chloride	ND	1.00	ND	2.55		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-02 D	Date Collected:	06/01/09 11:10
Client ID:	SV-1-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/04/09 01:06		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.100	ND	0.537		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-03 D
Client ID: SV-2-6/01/09
Sample Location: RIKERS ISLAND, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/04/09 01:39
Analyst: AJ

Date Collected: 06/01/09 12:40
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	1.00	ND	5.45		5
1,1,2,2-Tetrachloroethane	ND	1.00	ND	6.86		5
1,1,2-Trichloroethane	ND	1.00	ND	5.45		5
1,1-Dichloroethane	ND	1.00	ND	4.04		5
1,1-Dichloroethene	ND	1.00	ND	3.96		5
1,2,4-Trichlorobenzene	ND	1.00	ND	7.42		5
1,2,4-Trimethylbenzene	12.1	1.00	59.3	4.91		5
1,2-Dibromoethane	ND	1.00	ND	7.68		5
1,2-Dichlorobenzene	ND	1.00	ND	6.01		5
1,2-Dichloroethane	ND	1.00	ND	4.04		5
1,2-Dichloropropane	ND	1.00	ND	4.62		5
1,3,5-Trimethybenzene	3.26	1.00	16.0	4.91		5
1,3-Butadiene	ND	1.00	ND	2.21		5
1,3-Dichlorobenzene	ND	1.00	ND	6.01		5
1,4-Dichlorobenzene	ND	1.00	ND	6.01		5
1,4-Dioxane	ND	1.00	ND	3.60		5
2,2,4-Trimethylpentane	ND	1.00	ND	4.67		5
2-Butanone	663	1.00	1950	2.95	E	5
2-Hexanone	15.4	1.00	63.0	4.09		5
3-Chloropropene	ND	1.00	ND	3.13		5
4-Ethyltoluene	2.14	1.00	10.5	4.91		5
Acetone	311	2.50	739	5.93		5
Benzene	ND	1.00	ND	3.19		5
Benzyl chloride	ND	1.00	ND	5.17		5
Bromodichloromethane	ND	1.00	ND	6.70		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-03 D
Client ID: SV-2-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 12:40
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	1.00	ND	10.3		5
Bromomethane	ND	1.00	ND	3.88		5
Carbon disulfide	ND	1.00	ND	3.11		5
Carbon tetrachloride	ND	1.00	ND	6.29		5
Chlorobenzene	ND	1.00	ND	4.60		5
Chloroethane	ND	1.00	ND	2.64		5
Chloroform	ND	1.00	ND	4.88		5
Chloromethane	ND	1.00	ND	2.06		5
cis-1,2-Dichloroethene	ND	1.00	ND	3.96		5
cis-1,3-Dichloropropene	ND	1.00	ND	4.53		5
Cyclohexane	ND	1.00	ND	3.44		5
Dibromochloromethane	ND	1.00	ND	8.51		5
Dichlorodifluoromethane	ND	1.00	ND	4.94		5
Ethanol	94.3	12.5	177	23.5		5
Ethyl Acetate	ND	2.50	ND	9.00		5
Ethylbenzene	2.66	1.00	11.5	4.34		5
Freon-113	ND	1.00	ND	7.66		5
Freon-114	ND	1.00	ND	6.98		5
Hexachlorobutadiene	ND	1.00	ND	10.6		5
Isopropanol	4.09	2.50	10.0	6.14		5
Methylene chloride	ND	2.50	ND	8.68		5
4-Methyl-2-pentanone	1.53	1.00	6.25	4.09		5
Methyl tert butyl ether	ND	1.00	ND	3.60		5
p/m-Xylene	8.79	2.00	38.2	8.68		5
o-Xylene	3.96	1.00	17.2	4.34		5
Heptane	1.48	1.00	6.06	4.10		5
n-Hexane	1.54	1.00	5.41	3.52		5
Propylene	72.6	1.00	125	1.72		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-03 D
Client ID: SV-2-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 12:40
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	1.46	1.00	6.22	4.26		5
Tetrachloroethene	1.51	1.00	10.2	6.78		5
Tetrahydrofuran	115	1.00	338	2.95		5
Toluene	4.35	1.00	16.4	3.76		5
trans-1,2-Dichloroethene	ND	1.00	ND	3.96		5
trans-1,3-Dichloropropene	ND	1.00	ND	4.53		5
Trichloroethene	ND	1.00	ND	5.37		5
Trichlorofluoromethane	ND	1.00	ND	5.61		5
Vinyl acetate	ND	1.00	ND	3.52		5
Vinyl bromide	ND	1.00	ND	4.37		5
Vinyl chloride	ND	1.00	ND	2.55		5

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-03 D	Date Collected:	06/01/09 12:40
Client ID:	SV-2-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/04/09 01:39		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.100	ND	0.537		5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-03 DR	Date Collected:	06/01/09 12:40
Client ID:	SV-2-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	06/04/09 11:48		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab						
2-Butanone	757	2.00	2230	5.89		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-04 D
Client ID: SV-4-6/01/09
Sample Location: RIKERS ISLAND, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/04/09 02:11
Analyst: AJ

Date Collected: 06/01/09 12:55
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.500	ND	2.72		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		2.5
1,1,2-Trichloroethane	ND	0.500	ND	2.72		2.5
1,1-Dichloroethane	ND	0.500	ND	2.02		2.5
1,1-Dichloroethene	ND	0.500	ND	1.98		2.5
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71		2.5
1,2,4-Trimethylbenzene	14.9	0.500	73.1	2.46		2.5
1,2-Dibromoethane	ND	0.500	ND	3.84		2.5
1,2-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,2-Dichloroethane	ND	0.500	ND	2.02		2.5
1,2-Dichloropropane	ND	0.500	ND	2.31		2.5
1,3,5-Trimethybenzene	4.36	0.500	21.4	2.46		2.5
1,3-Butadiene	0.524	0.500	1.16	1.10		2.5
1,3-Dichlorobenzene	0.541	0.500	3.25	3.00		2.5
1,4-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,4-Dioxane	ND	0.500	ND	1.80		2.5
2,2,4-Trimethylpentane	ND	0.500	ND	2.33		2.5
2-Butanone	347	0.500	1020	1.47	E	2.5
2-Hexanone	9.67	0.500	39.6	2.05		2.5
3-Chloropropene	ND	0.500	ND	1.56		2.5
4-Ethyltoluene	2.75	0.500	13.5	2.46		2.5
Acetone	164	1.25	390	2.97		2.5
Benzene	0.647	0.500	2.07	1.60		2.5
Benzyl chloride	ND	0.500	ND	2.59		2.5
Bromodichloromethane	ND	0.500	ND	3.35		2.5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-04 D
Client ID: SV-4-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 12:55
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.500	ND	5.16		2.5
Bromomethane	ND	0.500	ND	1.94		2.5
Carbon disulfide	1.86	0.500	5.77	1.56		2.5
Carbon tetrachloride	ND	0.500	ND	3.14		2.5
Chlorobenzene	ND	0.500	ND	2.30		2.5
Chloroethane	ND	0.500	ND	1.32		2.5
Chloroform	0.629	0.500	3.07	2.44		2.5
Chloromethane	ND	0.500	ND	1.03		2.5
cis-1,2-Dichloroethene	ND	0.500	ND	1.98		2.5
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		2.5
Cyclohexane	ND	0.500	ND	1.72		2.5
Dibromochloromethane	ND	0.500	ND	4.26		2.5
Dichlorodifluoromethane	1.86	0.500	9.18	2.47		2.5
Ethanol	59.4	6.25	112	11.8		2.5
Ethyl Acetate	ND	1.25	ND	4.50		2.5
Ethylbenzene	3.56	0.500	15.4	2.17		2.5
Freon-113	ND	0.500	ND	3.83		2.5
Freon-114	ND	0.500	ND	3.49		2.5
Hexachlorobutadiene	ND	0.500	ND	5.33		2.5
Isopropanol	1.34	1.25	3.29	3.07		2.5
Methylene chloride	ND	1.25	ND	4.34		2.5
4-Methyl-2-pentanone	1.57	0.500	6.41	2.05		2.5
Methyl tert butyl ether	ND	0.500	ND	1.80		2.5
p/m-Xylene	11.6	1.00	50.1	4.34		2.5
o-Xylene	5.33	0.500	23.1	2.17		2.5
Heptane	0.913	0.500	3.74	2.05		2.5
n-Hexane	0.868	0.500	3.06	1.76		2.5
Propylene	51.1	0.500	87.9	0.860		2.5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-04 D
Client ID: SV-4-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 12:55
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	4.07	0.500	17.3	2.13		2.5
Tetrachloroethene	0.874	0.500	5.92	3.39		2.5
Tetrahydrofuran	137	0.500	405	1.47		2.5
Toluene	4.49	0.500	16.9	1.88		2.5
trans-1,2-Dichloroethene	ND	0.500	ND	1.98		2.5
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		2.5
Trichloroethene	ND	0.500	ND	2.68		2.5
Trichlorofluoromethane	2.12	0.500	11.9	2.81		2.5
Vinyl acetate	ND	0.500	ND	1.76		2.5
Vinyl bromide	ND	0.500	ND	2.18		2.5
Vinyl chloride	ND	0.500	ND	1.28		2.5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-04 D	Date Collected:	06/01/09 12:55
Client ID:	SV-4-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/04/09 02:11		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.050	ND	0.268		2.5

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-04 DR	Date Collected:	06/01/09 12:55
Client ID:	SV-4-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	06/04/09 12:22		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab						
2-Butanone	282	2.00	831	5.89		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-05 D
Client ID: SV-5-6/01/09
Sample Location: RIKERS ISLAND, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/04/09 02:44
Analyst: AJ

Date Collected: 06/01/09 14:30
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	2.00	ND	10.9		10
1,1,2,2-Tetrachloroethane	ND	2.00	ND	13.7		10
1,1,2-Trichloroethane	ND	2.00	ND	10.9		10
1,1-Dichloroethane	ND	2.00	ND	8.09		10
1,1-Dichloroethene	ND	2.00	ND	7.92		10
1,2,4-Trichlorobenzene	ND	2.00	ND	14.8		10
1,2,4-Trimethylbenzene	6.48	2.00	31.8	9.82		10
1,2-Dibromoethane	ND	2.00	ND	15.4		10
1,2-Dichlorobenzene	ND	2.00	ND	12.0		10
1,2-Dichloroethane	ND	2.00	ND	8.09		10
1,2-Dichloropropane	ND	2.00	ND	9.24		10
1,3,5-Trimethybenzene	ND	2.00	ND	9.82		10
1,3-Butadiene	3.90	2.00	8.63	4.42		10
1,3-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dioxane	ND	2.00	ND	7.20		10
2,2,4-Trimethylpentane	ND	2.00	ND	9.34		10
2-Butanone	2290	2.00	6740	5.89	E	10
2-Hexanone	48.4	2.00	198	8.19		10
3-Chloropropene	ND	2.00	ND	6.26		10
4-Ethyltoluene	ND	2.00	ND	9.82		10
Acetone	1650	5.00	3920	11.9	E	10
Benzene	30.2	2.00	96.6	6.38		10
Benzyl chloride	ND	2.00	ND	10.3		10
Bromodichloromethane	ND	2.00	ND	13.4		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-05 D
Client ID: SV-5-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 14:30
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	2.00	ND	20.6		10
Bromomethane	ND	2.00	ND	7.76		10
Carbon disulfide	11.8	2.00	36.8	6.22		10
Carbon tetrachloride	ND	2.00	ND	12.6		10
Chlorobenzene	ND	2.00	ND	9.20		10
Chloroethane	ND	2.00	ND	5.27		10
Chloroform	ND	2.00	ND	9.76		10
Chloromethane	2.48	2.00	5.11	4.13		10
cis-1,2-Dichloroethene	ND	2.00	ND	7.92		10
cis-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Cyclohexane	3.57	2.00	12.3	6.88		10
Dibromochloromethane	ND	2.00	ND	17.0		10
Dichlorodifluoromethane	ND	2.00	ND	9.88		10
Ethanol	469	25.0	882	47.1		10
Ethyl Acetate	ND	5.00	ND	18.0		10
Ethylbenzene	2.65	2.00	11.5	8.68		10
Freon-113	ND	2.00	ND	15.3		10
Freon-114	ND	2.00	ND	14.0		10
Hexachlorobutadiene	ND	2.00	ND	21.3		10
Isopropanol	38.1	5.00	93.5	12.3		10
Methylene chloride	ND	5.00	ND	17.4		10
4-Methyl-2-pentanone	ND	2.00	ND	8.19		10
Methyl tert butyl ether	ND	2.00	ND	7.20		10
p/m-Xylene	7.40	4.00	32.1	17.4		10
o-Xylene	2.95	2.00	12.8	8.68		10
Heptane	17.4	2.00	71.2	8.19		10
n-Hexane	30.9	2.00	109	7.04		10
Propylene	321	2.00	553	3.44		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907044-05 D
Client ID: SV-5-6/01/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/01/09 14:30
Date Received: 06/01/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	2.00	ND	8.51		10
Tetrachloroethene	ND	2.00	ND	13.6		10
Tetrahydrofuran	105	2.00	310	5.89		10
Toluene	6.39	2.00	24.0	7.53		10
trans-1,2-Dichloroethene	ND	2.00	ND	7.92		10
trans-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Trichloroethene	ND	2.00	ND	10.7		10
Trichlorofluoromethane	ND	2.00	ND	11.2		10
Vinyl acetate	ND	2.00	ND	7.04		10
Vinyl bromide	ND	2.00	ND	8.74		10
Vinyl chloride	ND	2.00	ND	5.11		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-05 D	Date Collected:	06/01/09 14:30
Client ID:	SV-5-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/04/09 02:44		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.200	ND	1.07		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-05 DR	Date Collected:	06/01/09 14:30
Client ID:	SV-5-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	06/04/09 12:56		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab						
2-Butanone	2160	15.2	6360	44.8		76.11
Acetone	1680	38.0	3990	90.3		76.11

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG365201-3						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG365201-3						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG365201-3						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG365203-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907044
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG365203-3						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	ND	0.383		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	ND	0.349		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
1,2,4-Trichlorobenzene	ND	0.050	ND	0.371		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Hexachlorobutadiene	ND	0.050	ND	0.192		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG365203-3						
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1
Halothane	ND	0.050	ND	0.403		1
1,2,3-Trichlorobenzene	ND	0.050	ND	0.371		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG365201-2					
1,1,1-Trichloroethane	70	-	70-130	-	
1,1,2,2-Tetrachloroethane	102	-	70-130	-	
1,1,2-Trichloroethane	82	-	70-130	-	
1,1-Dichloroethane	113	-	70-130	-	
1,1-Dichloroethene	114	-	70-130	-	
1,2,4-Trichlorobenzene	**131**	-	70-130	-	
1,2,4-Trimethylbenzene	106	-	70-130	-	
1,2-Dibromoethane	78	-	70-130	-	
1,2-Dichlorobenzene	111	-	70-130	-	
1,2-Dichloroethane	105	-	70-130	-	
1,2-Dichloropropane	78	-	70-130	-	
1,3,5-Trimethylbenzene	106	-	70-130	-	
1,3-Butadiene	101	-	70-130	-	
1,3-Dichlorobenzene	112	-	70-130	-	
1,4-Dichlorobenzene	110	-	70-130	-	
1,4-Dioxane	92	-	70-130	-	
2,2,4-Trimethylpentane	72	-	70-130	-	
2-Butanone	111	-	70-130	-	
2-Hexanone	77	-	70-130	-	
3-Chloropropene	97	-	70-130	-	
4-Ethyltoluene	103	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG365201-2					
Acetone	115	-	70-130	-	
Benzene	81	-	70-130	-	
Benzyl chloride	82	-	70-130	-	
Bromodichloromethane	71	-	70-130	-	
Bromoform	86	-	70-130	-	
Bromomethane	103	-	70-130	-	
Carbon disulfide	104	-	70-130	-	
Carbon tetrachloride	80	-	70-130	-	
Chlorobenzene	101	-	70-130	-	
Chloroethane	105	-	70-130	-	
Chloroform	98	-	70-130	-	
Chloromethane	114	-	70-130	-	
cis-1,2-Dichloroethene	96	-	70-130	-	
cis-1,3-Dichloropropene	70	-	70-130	-	
Cyclohexane	75	-	70-130	-	
Dibromochloromethane	73	-	70-130	-	
Dichlorodifluoromethane	114	-	70-130	-	
Ethyl Alcohol	114	-	70-130	-	
Ethyl Acetate	107	-	70-130	-	
Ethylbenzene	103	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	117	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG365201-2					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**131**	-	70-130	-	
Hexachlorobutadiene	125	-	70-130	-	
iso-Propyl Alcohol	116	-	70-130	-	
Methylene chloride	100	-	70-130	-	
4-Methyl-2-pentanone	82	-	70-130	-	
Methyl tert butyl ether	126	-	70-130	-	
p/m-Xylene	102	-	70-130	-	
o-Xylene	106	-	70-130	-	
Heptane	72	-	70-130	-	
n-Hexane	**56**	-	70-130	-	
Propylene	100	-	70-130	-	
Styrene	106	-	70-130	-	
Tetrachloroethene	104	-	70-130	-	
Tetrahydrofuran	110	-	70-130	-	
Toluene	80	-	70-130	-	
trans-1,2-Dichloroethene	112	-	70-130	-	
trans-1,3-Dichloropropene	**57**	-	70-130	-	
Trichloroethene	85	-	70-130	-	
Trichlorofluoromethane	120	-	70-130	-	
Vinyl acetate	90	-	70-130	-	
Vinyl bromide	114	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG365201-2					
Vinyl chloride	116	-	70-130	-	
Naphthalene	124	-	70-130	-	
Propane	99	-	70-130	-	
Acrylonitrile	104	-	70-130	-	
Acrolein	105	-	70-130	-	
1,1,1,2-Tetrachloroethane	90	-	70-130	-	
Isopropylbenzene	107	-	70-130	-	
1,2,3-Trichloropropane	98	-	70-130	-	
Acetonitrile	96	-	70-130	-	
Bromobenzene	97	-	70-130	-	
Chlorodifluoromethane	106	-	70-130	-	
Dichlorofluoromethane	102	-	70-130	-	
Dibromomethane	77	-	70-130	-	
Pentane	106	-	70-130	-	
Octane	**69**	-	70-130	-	
Tertiary-Amyl Methyl Ether	94	-	70-130	-	
o-Chlorotoluene	104	-	70-130	-	
p-Chlorotoluene	99	-	70-130	-	
2,2-Dichloropropane	84	-	70-130	-	
1,1-Dichloropropene	85	-	70-130	-	
Isopropyl Ether	73	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG365201-2					
Ethyl-Tert-Butyl-Ether	76	-	70-130	-	
1,2,3-Trichlorobenzene	**142**	-	70-130	-	
Ethyl ether	104	-	70-130	-	
n-Butylbenzene	104	-	70-130	-	
sec-Butylbenzene	104	-	70-130	-	
tert-Butylbenzene	108	-	70-130	-	
1,2-Dibromo-3-chloropropane	84	-	70-130	-	
p-Isopropyltoluene	100	-	70-130	-	
n-Propylbenzene	109	-	70-130	-	
1,3-Dichloropropane	76	-	70-130	-	
Methanol	111	-	70-130	-	
Butane	99	-	70-130	-	
Nonane (C9)	89	-	70-130	-	
Decane (C10)	97	-	70-130	-	
Undecane	114	-	70-130	-	
Dodecane (C12)	117	-	70-130	-	
Butyl Acetate	78	-	70-130	-	
2,4,4-Trimethyl-2-Pentene	70	-	70-130	-	
2,4,4-Trimethyl-1-Pentene	72	-	70-130	-	
tert-Butyl Alcohol	116	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG365203-2					
1,1,1-Trichloroethane	71	-	70-130	-	
1,1,1,2-Tetrachloroethane	83	-	70-130	-	
1,1,2,2-Tetrachloroethane	93	-	70-130	-	
1,1,2-Trichloroethane	79	-	70-130	-	
1,1-Dichloroethane	92	-	70-130	-	
1,1-Dichloroethene	93	-	70-130	-	
1,2,4-Trimethylbenzene	96	-	70-130	-	
1,2-Dibromoethane	80	-	70-130	-	
1,2-Dichlorobenzene	99	-	70-130	-	
1,2-Dichloroethane	88	-	70-130	-	
1,2-Dichloropropane	81	-	70-130	-	
1,3,5-Trimethylbenzene	97	-	70-130	-	
1,3-Butadiene	92	-	70-130	-	
1,3-Dichlorobenzene	99	-	70-130	-	
1,4-Dichlorobenzene	98	-	70-130	-	
Benzene	77	-	70-130	-	
Bromodichloromethane	72	-	70-130	-	
Bromoform	74	-	70-130	-	
Bromomethane	86	-	70-130	-	
Carbon tetrachloride	76	-	70-130	-	
Chlorobenzene	91	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG365203-2					
Chloroethane	93	-	70-130	-	
Chloroform	93	-	70-130	-	
Chloromethane	101	-	70-130	-	
cis-1,2-Dichloroethene	91	-	70-130	-	
cis-1,3-Dichloropropene	**66**	-	70-130	-	
Dibromochloromethane	76	-	70-130	-	
Dichlorodifluoromethane	106	-	70-130	-	
Ethylbenzene	90	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	98	-	70-130	-	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101	-	70-130	-	
Methylene chloride	88	-	70-130	-	
Methyl tert butyl ether	93	-	70-130	-	
Naphthalene	129	-	70-130	-	
p/m-Xylene	90	-	70-130	-	
o-Xylene	92	-	70-130	-	
Styrene	89	-	70-130	-	
Tetrachloroethene	100	-	70-130	-	
Toluene	83	-	70-130	-	
trans-1,2-Dichloroethene	87	-	70-130	-	
trans-1,3-Dichloropropene	**52**	-	70-130	-	
Trichloroethene	89	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG365203-2					
1,2,4-Trichlorobenzene	127	-	70-130	-	
Trichlorofluoromethane	99	-	70-130	-	
Hexachlorobutadiene	113	-	70-130	-	
Vinyl chloride	98	-	70-130	-	
Acrylonitrile	83	-	70-130	-	
n-Butylbenzene	100	-	70-130	-	
sec-Butylbenzene	94	-	70-130	-	
Isopropylbenzene	100	-	70-130	-	
p-Isopropyltoluene	92	-	70-130	-	
Acetone	91	-	70-130	-	
2-Butanone	92	-	70-130	-	
4-Methyl-2-pentanone	79	-	70-130	-	
Halothane	93	-	70-130	-	
1,2,3-Trichlorobenzene	**138**	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
1,1,1-Trichloroethane	0.719	0.682	ppbV	5	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	0.299	0.256	ppbV	15	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	3.82	3.92	ppbV	3	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	46.9	49.8	ppbV	6	25
Benzene	1.45	1.64	ppbV	12	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	1.49	1.52	ppbV	2	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	0.343	0.344	ppbV	0	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.602	0.591	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
Ethanol	16.8	17.2	ppbV	2	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	0.565	0.570	ppbV	1	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	13.8	14.0	ppbV	1	25
Methylene chloride	0.873	0.878	ppbV	1	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	1.55	1.52	ppbV	2	25
o-Xylene	0.340	0.340	ppbV	0	25
Heptane	5.50	5.08	ppbV	8	25
n-Hexane	1.12	1.03	ppbV	8	25
Propylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Tetrahydrofuran	0.721	0.709	ppbV	2	25
Toluene	14.3	14.0	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.592	0.585	ppbV	1	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365203-4 QC Sample: L0906995-01 Client ID: DUP Sample					
Carbon tetrachloride	0.055	0.054	ppbV	0	25
Trichloroethene	0.105	0.101	ppbV	4	25
Vinyl chloride	ND	ND	ppbV	NC	25

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-01	Date Collected:	06/01/09 10:45
Client ID:	SV-3-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor	Extraction Method:	
Analytical Method:	51,3C		
Analytical Date:	06/05/09 15:12		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab					
Methane	ND		%	0.188	1.884

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907044
Project Number:	5817802	**Report Date:**	06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-02	Date Collected:	06/01/09 11:10
Client ID:	SV-1-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor	Extraction Method:	
Analytical Method:	51,3C		
Analytical Date:	06/05/09 15:56		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab					
Methane	ND		%	0.219	2.187

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-03	Date Collected:	06/01/09 12:40
Client ID:	SV-2-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor	Extraction Method:	
Analytical Method:	51,3C		
Analytical Date:	06/05/09 16:35		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab					
Methane	ND		%	0.192	1.919

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-04	Date Collected:	06/01/09 12:55
Client ID:	SV-4-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor	Extraction Method:	
Analytical Method:	51,3C		
Analytical Date:	06/05/09 17:17		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab					
Methane	ND		%	0.201	2.014

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

SAMPLE RESULTS

Lab ID:	L0907044-05	Date Collected:	06/01/09 14:30
Client ID:	SV-5-6/01/09	Date Received:	06/01/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor	Extraction Method:	
Analytical Method:	51,3C		
Analytical Date:	06/05/09 17:55		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab					
Methane	1.59		%	0.188	1.884

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 51,3C
Analytical Date: 06/05/09 14:54
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Fixed Gases by GC - Mansfield Lab for sample(s): 01-05 Batch: WG365444-2				
Methane	ND		%	0.100

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 Batch: WG365444-1					
Methane	88	-	80-120	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365444-3 QC Sample: L0907044-01 Client ID: SV-3-6/01/09					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365444-4 QC Sample: L0907044-02 Client ID: SV-1-6/01/09					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365444-5 QC Sample: L0907044-03 Client ID: SV-2-6/01/09					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365444-6 QC Sample: L0907044-04 Client ID: SV-4-6/01/09					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365444-7 QC Sample: L0907044-05 Client ID: SV-5-6/01/09					
Methane	1.59	1.60	%	1	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG365444-8 QC Sample: L0907132-01 Client ID: DUP Sample					
Methane	7.83	7.87	%	1	5

Project Name: RIKERS ISLAND **Lab Number:** L0907044

Project Number: 5817802 **Report Date:** 06/17/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0907044-01	SV-3-6/01/09	0445	#90 SV		-	-	38	39	3
L0907044-01	SV-3-6/01/09	383	2.7L Can	I0906523	-29.6	-4.6	-	-	-
L0907044-02	SV-1-6/01/09	0441	#16 AMB		-	-	37	38	3
L0907044-02	SV-1-6/01/09	213	2.7L Can	I0906523	29.-8	-9.5	-	-	-
L0907044-03	SV-2-6/01/09	0287	#30 AMB		-	-	39	39	0
L0907044-03	SV-2-6/01/09	215	2.7L Can	I0906523	-29.8	-6.2	-	-	-
L0907044-04	SV-4-6/01/09	0364	#90 SV		-	-	41	40	2
L0907044-04	SV-4-6/01/09	143	2.7L Can	I0906523	-29.6	-6.6	-	-	-
L0907044-05	SV-5-6/01/09	0332	#90 AMB		-	-	39	41	5
L0907044-05	SV-5-6/01/09	119	2.7L Can	I0906523	-29.8	-6.8	-	-	-

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907044
Report Date: 06/17/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907044-01A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	FIXGAS(2),TO15-LL(30),TO15-SIM(30)
L0907044-02A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	FIXGAS(2),TO15-LL(30),TO15-SIM(30)
L0907044-03A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	FIXGAS(2),TO15-LL(30),TO15-SIM(30)
L0907044-04A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	FIXGAS(2),TO15-LL(30),TO15-SIM(30)
L0907044-05A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	FIXGAS(2),TO15-LL(30),TO15-SIM(30)

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907044
Project Number:	5817802	**Report Date:**	06/17/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907044
Project Number: 5817802 **Report Date:** 06/17/09

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. ***NELAP Accredited.***

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L0907044

06170917:33

Client Information

Client: Langan Engineering
Address: 360 W. 31st Street, 8th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5417402
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard 10 DAYS ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX
☑ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 5417402

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15★	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L0907044-1	SV-3-6/01/09	6/1/09	935AM	1045AM	30"	8"	SV	JFG	2.7L	0383	0445		X						★TO-15 + methane
-2	SV-1-6/01/09	6/1/09	1015AM	1110AM	27"	8"	SV	JFG	2.7L	0213	0441		X						★TO-15 + methane
-3	SV-2-6/01/09	6/1/09	1140AM	1240PM	30"	7"	SV	JFG	2.7L	0215	0287		X						★TO-15 + methane
-4	SV-4-6/01/09	6/1/09	1200PM	1255PM	30"	6"	SV	JFG	2.7L	0143	0364		X						★TO-15 + methane
-5	SV-5-6/01/09	6/1/09	130PM	230PM	30"	7"	SV	JFG	2.7L	0119	0332		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible]	6/1/09 1540	S Wolfe	6/1/09 15:40
S Wolfe	6-1-09 18:00	Brady	6-1-09 18:00
Brady	6-1-09 21:00	[illegible]	6/2/09 10:00
[illegible]	6/2/09 10:35	[illegible]	6/2/09 10:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (rev.1-Feb-08)

ANALYTICAL REPORT

Lab Number:	L0907132
Client:	Langan Engineering and Environmental Ser 21 Penn Plaza 360 W. 31st Street 8th Floor New York, NY 10001-2727
ATTN:	Jason Hayes
Project Name:	RIKERS ISLAND
Project Number:	5817802
Report Date:	06/17/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907132-01	SV6-6/2/09	RIKERS ISLAND, NY	06/02/09 11:30
L0907132-02	CAN-465	RIKERS ISLAND, NY	

Project Name: RIKERS ISLAND **Lab Number:** L0907132
Project Number: 5817802 **Report Date:** 06/17/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission
This report replaces the report issued on June 9, 2009. It has been amended to include Trichloroethene via TO15-SIM. The narrative section has also been amended.

Volatile Organics in Air (Low Level)
L0907132-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.
L0907132-01: The results for Propylene, Acetone and 2,2,4-Trimethylpentane should be considered estimated due to co-elution with a non-target peak.

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907132
Project Number:	5817802	**Report Date:**	06/17/09

Case Narrative (continued)

The WG365201-2 LCS recoveries for n-Hexane (56%), trans-1,3-Dichloropropene (57%), 1,2,4-Trichlorobenzene (131%) and Freon-114 (131%) are outside the 70%-130% acceptance limit. The LCS was within overall method allowances; therefore, the analysis proceeded.

Volatile Organics in Air (SIM)

L0907132-01 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Fixed Gases by GC

L0907132-01: Prior to sample analysis, the canister was pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien

Title: Technical Director/Representative Date: 06/17/09

AIR

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907132-01 D
Client ID: SV6-6/2/09
Sample Location: RIKERS ISLAND, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/04/09 03:17
Analyst: AJ

Date Collected: 06/02/09 11:30
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	2.00	ND	10.9		10
1,1,2,2-Tetrachloroethane	ND	2.00	ND	13.7		10
1,1,2-Trichloroethane	ND	2.00	ND	10.9		10
1,1-Dichloroethane	ND	2.00	ND	8.09		10
1,1-Dichloroethene	ND	2.00	ND	7.92		10
1,2,4-Trichlorobenzene	ND	2.00	ND	14.8		10
1,2,4-Trimethylbenzene	8.90	2.00	43.7	9.82		10
1,2-Dibromoethane	ND	2.00	ND	15.4		10
1,2-Dichlorobenzene	ND	2.00	ND	12.0		10
1,2-Dichloroethane	ND	2.00	ND	8.09		10
1,2-Dichloropropane	ND	2.00	ND	9.24		10
1,3,5-Trimethybenzene	2.62	2.00	12.8	9.82		10
1,3-Butadiene	ND	2.00	ND	4.42		10
1,3-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dioxane	ND	2.00	ND	7.20		10
2,2,4-Trimethylpentane	9.58	2.00	44.7	9.34		10
2-Butanone	660	2.00	1950	5.89		10
2-Hexanone	19.3	2.00	79.1	8.19		10
3-Chloropropene	ND	2.00	ND	6.26		10
4-Ethyltoluene	ND	2.00	ND	9.82		10
Acetone	391	5.00	928	11.9		10
Benzene	2.88	2.00	9.21	6.38		10
Benzyl chloride	ND	2.00	ND	10.3		10
Bromodichloromethane	ND	2.00	ND	13.4		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907132-01 D
Client ID: SV6-6/2/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/02/09 11:30
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	2.00	ND	20.6		10
Bromomethane	ND	2.00	ND	7.76		10
Carbon disulfide	8.70	2.00	27.0	6.22		10
Carbon tetrachloride	ND	2.00	ND	12.6		10
Chlorobenzene	ND	2.00	ND	9.20		10
Chloroethane	ND	2.00	ND	5.27		10
Chloroform	ND	2.00	ND	9.76		10
Chloromethane	ND	2.00	ND	4.13		10
cis-1,2-Dichloroethene	ND	2.00	ND	7.92		10
cis-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Cyclohexane	4.87	2.00	16.8	6.88		10
Dibromochloromethane	ND	2.00	ND	17.0		10
Dichlorodifluoromethane	ND	2.00	ND	9.88		10
Ethanol	117	25.0	220	47.1		10
Ethyl Acetate	ND	5.00	ND	18.0		10
Ethylbenzene	3.46	2.00	15.0	8.68		10
Freon-113	ND	2.00	ND	15.3		10
Freon-114	ND	2.00	ND	14.0		10
Hexachlorobutadiene	ND	2.00	ND	21.3		10
Isopropanol	9.91	5.00	24.3	12.3		10
Methylene chloride	ND	5.00	ND	17.4		10
4-Methyl-2-pentanone	ND	2.00	ND	8.19		10
Methyl tert butyl ether	2.09	2.00	7.51	7.20		10
p/m-Xylene	10.3	4.00	44.6	17.4		10
o-Xylene	4.42	2.00	19.2	8.68		10
Heptane	66.4	2.00	272	8.19		10
n-Hexane	217	2.00	763	7.04		10
Propylene	77.9	2.00	134	3.44		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID: L0907132-01 D
Client ID: SV6-6/2/09
Sample Location: RIKERS ISLAND, NY
Date Collected: 06/02/09 11:30
Date Received: 06/02/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	2.83	2.00	12.0	8.51		10
Tetrachloroethene	ND	2.00	ND	13.6		10
Tetrahydrofuran	123	2.00	364	5.89		10
Toluene	7.30	2.00	27.5	7.53		10
trans-1,2-Dichloroethene	ND	2.00	ND	7.92		10
trans-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Trichloroethene	ND	2.00	ND	10.7		10
Trichlorofluoromethane	ND	2.00	ND	11.2		10
Vinyl acetate	ND	2.00	ND	7.04		10
Vinyl bromide	ND	2.00	ND	8.74		10
Vinyl chloride	ND	2.00	ND	5.11		10

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

SAMPLE RESULTS

Lab ID:	L0907132-01 D	Date Collected:	06/02/09 11:30
Client ID:	SV6-6/2/09	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/04/09 03:17		
Analyst:	AJ		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.200	ND	1.07		10

Project Name: RIKERS ISLAND **Lab Number:** L0907132

Project Number: 5817802 **Report Date:** 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01 Batch: WG365201-3						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01 Batch: WG365201-3						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01 Batch: WG365201-3						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG365203-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG365203-3						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	ND	0.383		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	ND	0.349		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
1,2,4-Trichlorobenzene	ND	0.050	ND	0.371		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Hexachlorobutadiene	ND	0.050	ND	0.192		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/03/09 16:38

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG365203-3						
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1
Halothane	ND	0.050	ND	0.403		1
1,2,3-Trichlorobenzene	ND	0.050	ND	0.371		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG365201-2					
1,1,1-Trichloroethane	70	-	70-130	-	
1,1,2,2-Tetrachloroethane	102	-	70-130	-	
1,1,2-Trichloroethane	82	-	70-130	-	
1,1-Dichloroethane	113	-	70-130	-	
1,1-Dichloroethene	114	-	70-130	-	
1,2,4-Trichlorobenzene	**131**	-	70-130	-	
1,2,4-Trimethylbenzene	106	-	70-130	-	
1,2-Dibromoethane	78	-	70-130	-	
1,2-Dichlorobenzene	111	-	70-130	-	
1,2-Dichloroethane	105	-	70-130	-	
1,2-Dichloropropane	78	-	70-130	-	
1,3,5-Trimethylbenzene	106	-	70-130	-	
1,3-Butadiene	101	-	70-130	-	
1,3-Dichlorobenzene	112	-	70-130	-	
1,4-Dichlorobenzene	110	-	70-130	-	
1,4-Dioxane	92	-	70-130	-	
2,2,4-Trimethylpentane	72	-	70-130	-	
2-Butanone	111	-	70-130	-	
2-Hexanone	77	-	70-130	-	
3-Chloropropene	97	-	70-130	-	
4-Ethyltoluene	103	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG365201-2					
Acetone	115	-	70-130	-	
Benzene	81	-	70-130	-	
Benzyl chloride	82	-	70-130	-	
Bromodichloromethane	71	-	70-130	-	
Bromoform	86	-	70-130	-	
Bromomethane	103	-	70-130	-	
Carbon disulfide	104	-	70-130	-	
Carbon tetrachloride	80	-	70-130	-	
Chlorobenzene	101	-	70-130	-	
Chloroethane	105	-	70-130	-	
Chloroform	98	-	70-130	-	
Chloromethane	114	-	70-130	-	
cis-1,2-Dichloroethene	96	-	70-130	-	
cis-1,3-Dichloropropene	70	-	70-130	-	
Cyclohexane	75	-	70-130	-	
Dibromochloromethane	73	-	70-130	-	
Dichlorodifluoromethane	114	-	70-130	-	
Ethyl Alcohol	114	-	70-130	-	
Ethyl Acetate	107	-	70-130	-	
Ethylbenzene	103	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	117	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG365201-2					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**131**	-	70-130	-	
Hexachlorobutadiene	125	-	70-130	-	
iso-Propyl Alcohol	116	-	70-130	-	
Methylene chloride	100	-	70-130	-	
4-Methyl-2-pentanone	82	-	70-130	-	
Methyl tert butyl ether	126	-	70-130	-	
p/m-Xylene	102	-	70-130	-	
o-Xylene	106	-	70-130	-	
Heptane	72	-	70-130	-	
n-Hexane	**56**	-	70-130	-	
Propylene	100	-	70-130	-	
Styrene	106	-	70-130	-	
Tetrachloroethene	104	-	70-130	-	
Tetrahydrofuran	110	-	70-130	-	
Toluene	80	-	70-130	-	
trans-1,2-Dichloroethene	112	-	70-130	-	
trans-1,3-Dichloropropene	**57**	-	70-130	-	
Trichloroethene	85	-	70-130	-	
Trichlorofluoromethane	120	-	70-130	-	
Vinyl acetate	90	-	70-130	-	
Vinyl bromide	114	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG365201-2					
Vinyl chloride	116	-	70-130	-	
Naphthalene	124	-	70-130	-	
Propane	99	-	70-130	-	
Acrylonitrile	104	-	70-130	-	
Acrolein	105	-	70-130	-	
1,1,1,2-Tetrachloroethane	90	-	70-130	-	
Isopropylbenzene	107	-	70-130	-	
1,2,3-Trichloropropane	98	-	70-130	-	
Acetonitrile	96	-	70-130	-	
Bromobenzene	97	-	70-130	-	
Chlorodifluoromethane	106	-	70-130	-	
Dichlorofluoromethane	102	-	70-130	-	
Dibromomethane	77	-	70-130	-	
Pentane	106	-	70-130	-	
Octane	**69**	-	70-130	-	
Tertiary-Amyl Methyl Ether	94	-	70-130	-	
o-Chlorotoluene	104	-	70-130	-	
p-Chlorotoluene	99	-	70-130	-	
2,2-Dichloropropane	84	-	70-130	-	
1,1-Dichloropropene	85	-	70-130	-	
Isopropyl Ether	73	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802
Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG365201-2					
Ethyl-Tert-Butyl-Ether	76	-	70-130	-	
1,2,3-Trichlorobenzene	**142**	-	70-130	-	
Ethyl ether	104	-	70-130	-	
n-Butylbenzene	104	-	70-130	-	
sec-Butylbenzene	104	-	70-130	-	
tert-Butylbenzene	108	-	70-130	-	
1,2-Dibromo-3-chloropropane	84	-	70-130	-	
p-Isopropyltoluene	100	-	70-130	-	
n-Propylbenzene	109	-	70-130	-	
1,3-Dichloropropane	76	-	70-130	-	
Methanol	111	-	70-130	-	
Butane	99	-	70-130	-	
Nonane (C9)	89	-	70-130	-	
Decane (C10)	97	-	70-130	-	
Undecane	114	-	70-130	-	
Dodecane (C12)	117	-	70-130	-	
Butyl Acetate	78	-	70-130	-	
2,4,4-Trimethyl-2-Pentene	70	-	70-130	-	
2,4,4-Trimethyl-1-Pentene	72	-	70-130	-	
tert-Butyl Alcohol	116	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG365203-2					
1,1,1-Trichloroethane	71	-	70-130	-	
1,1,1,2-Tetrachloroethane	83	-	70-130	-	
1,1,2,2-Tetrachloroethane	93	-	70-130	-	
1,1,2-Trichloroethane	79	-	70-130	-	
1,1-Dichloroethane	92	-	70-130	-	
1,1-Dichloroethene	93	-	70-130	-	
1,2,4-Trimethylbenzene	96	-	70-130	-	
1,2-Dibromoethane	80	-	70-130	-	
1,2-Dichlorobenzene	99	-	70-130	-	
1,2-Dichloroethane	88	-	70-130	-	
1,2-Dichloropropane	81	-	70-130	-	
1,3,5-Trimethylbenzene	97	-	70-130	-	
1,3-Butadiene	92	-	70-130	-	
1,3-Dichlorobenzene	99	-	70-130	-	
1,4-Dichlorobenzene	98	-	70-130	-	
Benzene	77	-	70-130	-	
Bromodichloromethane	72	-	70-130	-	
Bromoform	74	-	70-130	-	
Bromomethane	86	-	70-130	-	
Carbon tetrachloride	76	-	70-130	-	
Chlorobenzene	91	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG365203-2					
Chloroethane	93	-	70-130	-	
Chloroform	93	-	70-130	-	
Chloromethane	101	-	70-130	-	
cis-1,2-Dichloroethene	91	-	70-130	-	
cis-1,3-Dichloropropene	**66**	-	70-130	-	
Dibromochloromethane	76	-	70-130	-	
Dichlorodifluoromethane	106	-	70-130	-	
Ethylbenzene	90	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	98	-	70-130	-	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101	-	70-130	-	
Methylene chloride	88	-	70-130	-	
Methyl tert butyl ether	93	-	70-130	-	
Naphthalene	129	-	70-130	-	
p/m-Xylene	90	-	70-130	-	
o-Xylene	92	-	70-130	-	
Styrene	89	-	70-130	-	
Tetrachloroethene	100	-	70-130	-	
Toluene	83	-	70-130	-	
trans-1,2-Dichloroethene	87	-	70-130	-	
trans-1,3-Dichloropropene	**52**	-	70-130	-	
Trichloroethene	89	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG365203-2					
1,2,4-Trichlorobenzene	127	-	70-130	-	
Trichlorofluoromethane	99	-	70-130	-	
Hexachlorobutadiene	113	-	70-130	-	
Vinyl chloride	98	-	70-130	-	
Acrylonitrile	83	-	70-130	-	
n-Butylbenzene	100	-	70-130	-	
sec-Butylbenzene	94	-	70-130	-	
Isopropylbenzene	100	-	70-130	-	
p-Isopropyltoluene	92	-	70-130	-	
Acetone	91	-	70-130	-	
2-Butanone	92	-	70-130	-	
4-Methyl-2-pentanone	79	-	70-130	-	
Halothane	93	-	70-130	-	
1,2,3-Trichlorobenzene	**138**	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
1,1,1-Trichloroethane	0.719	0.682	ppbV	5	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	0.299	0.256	ppbV	15	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	3.82	3.92	ppbV	3	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	46.9	49.8	ppbV	6	25
Benzene	1.45	1.64	ppbV	12	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	1.49	1.52	ppbV	2	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	0.343	0.344	ppbV	0	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.602	0.591	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
Ethanol	16.8	17.2	ppbV	2	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	0.565	0.570	ppbV	1	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	13.8	14.0	ppbV	1	25
Methylene chloride	0.873	0.878	ppbV	1	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	1.55	1.52	ppbV	2	25
o-Xylene	0.340	0.340	ppbV	0	25
Heptane	5.50	5.08	ppbV	8	25
n-Hexane	1.12	1.03	ppbV	8	25
Propylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Tetrahydrofuran	0.721	0.709	ppbV	2	25
Toluene	14.3	14.0	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365201-4 QC Sample: L0906995-01 Client ID: DUP Sample					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.592	0.585	ppbV	1	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365203-4 QC Sample: L0906995-01 Client ID: DUP Sample					
Carbon tetrachloride	0.055	0.054	ppbV	0	25
Trichloroethene	0.105	0.101	ppbV	4	25
Vinyl chloride	ND	ND	ppbV	NC	25

Project Name: RIKERS ISLAND **Lab Number:** L0907132

Project Number: 5817802 **Report Date:** 06/17/09

SAMPLE RESULTS

Lab ID:	L0907132-01	Date Collected:	06/02/09 11:30
Client ID:	SV6-6/2/09	Date Received:	06/02/09
Sample Location:	RIKERS ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor	Extraction Method:	
Analytical Method:	51,3C		
Analytical Date:	06/05/09 18:37		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab					
Methane	7.83		%	0.219	2.187

Project Name: RIKERS ISLAND **Lab Number:** L0907132

Project Number: 5817802 **Report Date:** 06/17/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 51,3C
Analytical Date: 06/05/09 14:54
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Fixed Gases by GC - Mansfield Lab for sample(s): 01 Batch: WG365444-2				
Methane	ND		%	0.100

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 Batch: WG365444-1					
Methane	88	-	80-120	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365444-3 QC Sample: L0907044-01 Client ID: DUP Sample					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365444-4 QC Sample: L0907044-02 Client ID: DUP Sample					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365444-5 QC Sample: L0907044-03 Client ID: DUP Sample					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365444-6 QC Sample: L0907044-04 Client ID: DUP Sample					
Methane	ND	ND	%	NC	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365444-7 QC Sample: L0907044-05 Client ID: DUP Sample					
Methane	1.59	1.60	%	1	5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG365444-8 QC Sample: L0907132-01 Client ID: SV6-6/2/09					
Methane	7.83	7.87	%	1	5

Project Name: RIKERS ISLAND **Lab Number:** L0907132

Project Number: 5817802 **Report Date:** 06/17/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0907132-01	SV6-6/2/09	0371	#20 AMB		-	-	37	37	0
L0907132-01	SV6-6/2/09	216	2.7L Can	I0906523	-29.8	-10.4	-	-	-

Project Name: RIKERS ISLAND
Project Number: 5817802

Lab Number: L0907132
Report Date: 06/17/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907132-01A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30),TO15-SIM(30)
L0907132-02A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	CLEAN-FEE()

*Hold days indicated by values in parentheses

Project Name:	RIKERS ISLAND	**Lab Number:**	L0907132
Project Number:	5817802	**Report Date:**	06/17/09

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	· Not detected at the reported detection limit for the sample.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name: RIKERS ISLAND **Lab Number:** L0907132
Project Number: 5817802 **Report Date:** 06/17/09

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. ***NELAP Accredited.***

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF

ALPHA ANALYTICAL

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L 0907132

06170917:33

Client Information

Client: Langan Engineering
Address: 360 W 31st Street, 8th FLR
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: jahayes@langan.com, jgood@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rikers Island
Project Location: Rikers Island, NY
Project #: 5817802
Project Manager: Jason Hayes
ALPHA Quote #: Rikers

Turn-Around Time

☑ Standard 10 DAYS ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☑ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 5817802

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15 + Methane	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L	SV6-6/2/09	6/2/09	1130		30"		SV	JFG	2.7	216	0371		X						* TO-15 + Methane

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time:	Received By:	Date/Time:
Joseph J Good	6/2/09 1600	[illegible]	6/2/09 1600
[illegible]	6/2/09 1730	[illegible]	6/2/09 1730
[illegible]	6/2/09 2000	[illegible]	6/3/09 [illegible]
[illegible]	6/3/09 1050	[illegible]	6/3/09 10.50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (rev.1-Feb-08)

APPENDIX E
ANALYTICAL LABORATORY NYSDOH CERTIFICATION

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Disinfection By-products

Bromochloroacetic acid	SM 19-21 6251B (94)
Dibromoacetic acid	SM 19-21 6251B (94)
Dichloroacetic acid	SM 19-21 6251B (94)
Monobromoacetic acid	SM 19-21 6251B (94)
Monochloroacetic acid	SM 19-21 6251B (94)
Trichloroacetic acid	SM 19-21 6251B (94)

Drinking Water Bacteriology

Coliform, Total / E. coli (Qualitative)	SM 18-21 9223B (97) (Colilert)
	SM18-21 9222B(97)/40CFR141.21(f)(6)
Standard Plate Count	SM 18-21 9215B

Drinking Water Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.2 Rev. 1974
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Drinking Water Metals I

Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Drinking Water Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Drinking Water Metals III

Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Potassium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4

Drinking Water Miscellaneous

Organic Carbon, Total	SM 18-21 5310C (00)
Perchlorate	EPA 314.0
	EPA 331.0

Drinking Water Non-Metals

Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1

Serial No.: 39215

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Non-Metals

Color	SM 18-21 2120B (01)
Cyanide, Total	SM 18-21 4500-CN E (99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hydrogen Ion (pH)	SM 18-21 4500-H B (00)
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO3 F (00)
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1

Drinking Water Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Microextractibles

1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2

Volatile Aromatics

1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2

Serial No.: 39215

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

Volatile Halocarbons

1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

Serial No.: 39215

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 624
	EPA 8260B
Acrylonitrile	EPA 624
	EPA 8260B
Amines	
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
Carbazole	EPA 8270C
Pyridine	EPA 625
	EPA 8270C
Bacteriology	
Coliform, Fecal	SM 18-20 9221E (99)
	SM 18-20 9222D (97)
Coliform, Total	SM 18-20 9221B (99)
	SM 18-20 9222B (97)
Standard Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270C
Benzidine	EPA 625
	EPA 8270C
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081A

Chlorinated Hydrocarbon Pesticides	
4,4'-DDE	EPA 608
	EPA 8081A
4,4'-DDT	EPA 608
	EPA 8081A
Aldrin	EPA 608
	EPA 8081A
alpha-BHC	EPA 608
	EPA 8081A
alpha-Chlordane	EPA 8081A
beta-BHC	EPA 608
	EPA 8081A
Chlordane Total	EPA 608
	EPA 8081A
delta-BHC	EPA 608
	EPA 8081A
Dieldrin	EPA 608
	EPA 8081A
Endosulfan I	EPA 608
	EPA 8081A
Endosulfan II	EPA 608
	EPA 8081A
Endosulfan sulfate	EPA 608
	EPA 8081A
Endrin	EPA 608
	EPA 8081A
Endrin aldehyde	EPA 608
	EPA 8081A
Endrin Ketone	EPA 8081A

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides

gamma-Chlordane	EPA 8081A
Heptachlor	EPA 608
	EPA 8081A
Heptachlor epoxide	EPA 608
	EPA 8081A
Lindane	EPA 608
	EPA 8081A
Methoxychlor	EPA 608
	EPA 8081A
Toxaphene	EPA 608
	EPA 8081A

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260B
1,2,4,5-Tetrachlorobenzene	EPA 8270C
1,2,4-Trichlorobenzene	EPA 625
	EPA 8260B
	EPA 8270C
2-Chloronaphthalene	EPA 625
	EPA 8270C
Hexachlorobenzene	EPA 625
	EPA 8270C
Hexachlorobutadiene	EPA 625
	EPA 8260B
	EPA 8270C
Hexachlorocyclopentadiene	EPA 625
	EPA 8270C
Hexachloroethane	EPA 625
	EPA 8270C

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A

Demand

Carbonaceous BOD	SM 18-20 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 18-20 5220D (97)

Fuel Oxygenates

Methyl tert-butyl ether	EPA 8260B
tert-Butyl alcohol	EPA 8260B

Haloethers

4-Bromophenylphenyl ether	EPA 625
	EPA 8270C
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270C
Bis (2-chloroisopropyl) ether	EPA 625
	EPA 8270C
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270C
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270C

Microextractables

1,2-Dibromo-3-chloropropane	EPA 8260B
1,2-Dibromoethane	EPA 8260B

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Mineral

Acidity	SM 18-20 2310B.4a (97)
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
	LACHAT 10-117-07-1 A or B
	SM 18-20 4500-Cl- E (97)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 15 426 C

Nitroaromatics and Isophorone

1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 625
	EPA 8270C
	EPA 8330
2,6-Dinitrotoluene	EPA 625
	EPA 8270C
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 625

Nitroaromatics and Isophorone

Isophorone	EPA 8270C
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 625
	EPA 8270C
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330

Nitrosoamines

N-Nitrosodimethylamine	EPA 625
	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270C
N-Nitrosodiphenylamine	EPA 625
	EPA 8270C

Nutrient

Ammonia (as N)	EPA 350.1 Rev. 2.0
	LACHAT 10-107-06-1-B
	SM 18 4500-NH3 H
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 300.0 Rev. 2.1
	EPA 353.2 Rev. 2.0
	LACHAT 10-107-04-1-C
	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Phosphorus, Total	SM 18-21 4500-P E

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Organophosphate Pesticides	
Atrazine	EPA 8270C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270C
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270C
Diethyl phthalate	EPA 625
	EPA 8270C
Dimethyl phthalate	EPA 625
	EPA 8270C
Di-n-butyl phthalate	EPA 625
	EPA 8270C
Di-n-octyl phthalate	EPA 625
	EPA 8270C
Polychlorinated Biphenyls	
PCB-1016	EPA 608
	EPA 8082
PCB-1221	EPA 608
	EPA 8082
PCB-1232	EPA 608
	EPA 8082
PCB-1242	EPA 608
	EPA 8082
PCB-1248	EPA 608
	EPA 8082
PCB-1254	EPA 608
	EPA 8082
Polychlorinated Biphenyls	
PCB-1260	EPA 608
	EPA 8082
PCB-1262	EPA 8082
PCB-1268	EPA 8082
Polynuclear Aromatics	
Acenaphthene	EPA 625
	EPA 8270C
Acenaphthylene	EPA 625
	EPA 8270C
Anthracene	EPA 625
	EPA 8270C
Benzo(a)anthracene	EPA 625
	EPA 8270C
Benzo(a)pyrene	EPA 625
	EPA 8270C
Benzo(b)fluoranthene	EPA 625
	EPA 8270C
Benzo(ghi)perylene	EPA 625
	EPA 8270C
Benzo(k)fluoranthene	EPA 625
	EPA 8270C
Chrysene	EPA 625
	EPA 8270C
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270C
Fluoranthene	EPA 625
	EPA 8270C
Fluorene	EPA 625

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polynuclear Aromatics

Fluorene	EPA 8270C
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270C
Naphthalene	EPA 625
	EPA 8270C
Phenanthrene	EPA 625
	EPA 8270C
Pyrene	EPA 625
	EPA 8270C

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 625
	EPA 8270C
2,4,6-Trichlorophenol	EPA 625
	EPA 8270C
2,4-Dichlorophenol	EPA 625
	EPA 8270C
2,4-Dimethylphenol	EPA 625
	EPA 8270C
2,4-Dinitrophenol	EPA 625
	EPA 8270C
2-Chlorophenol	EPA 625
	EPA 8270C
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270C
2-Methylphenol	EPA 8270C
2-Nitrophenol	EPA 625
	EPA 8270C
4-Chloro-3-methylphenol	EPA 625

Priority Pollutant Phenols

4-Chloro-3-methylphenol	EPA 8270C
4-Methylphenol	EPA 8270C
4-Nitrophenol	EPA 625
	EPA 8270C
Cresols, Total	EPA 8270C
Pentachlorophenol	EPA 625
	EPA 8270C
Phenol	EPA 625
	EPA 8270C

Purgeable Aromatics

1,2-Dichlorobenzene	EPA 624
	EPA 625
	EPA 8021B
	EPA 8260B
	EPA 8270C
1,3-Dichlorobenzene	EPA 624
	EPA 625
	EPA 8021B
	EPA 8260B
	EPA 8270C
1,4-Dichlorobenzene	EPA 624
	EPA 625
	EPA 8021B
	EPA 8260B
	EPA 8270C
Benzene	EPA 624
	EPA 8021B
	EPA 8260B

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Purgeable Aromatics

Chlorobenzene	EPA 624
	EPA 8260B
Ethyl benzene	EPA 624
	EPA 8021B
	EPA 8260B
Isopropylbenzene	EPA 8260B
Styrene	EPA 8260B
Toluene	EPA 624
	EPA 8021B
	EPA 8260B
Total Xylenes	EPA 624
	EPA 8021B
	EPA 8260B

Purgeable Halocarbons

1,1,1-Trichloroethane	EPA 624
	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260B
1,1,2-Trichloroethane	EPA 624
	EPA 8260B
1,1,2-Trifluoro-1,2,2-Trichloroethane	EPA 8260B
1,1-Dichloroethane	EPA 624
	EPA 8260B
1,1-Dichloroethene	EPA 624
	EPA 8260B
1,2-Dichloroethane	EPA 624
	EPA 8260B
1,2-Dichloropropane	EPA 624

Purgeable Halocarbons

1,2-Dichloropropane	EPA 8260B
2-Chloroethylvinyl ether	EPA 624
	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 624
	EPA 8260B
Bromoform	EPA 624
	EPA 8260B
Bromomethane	EPA 624
	EPA 8260B
Carbon tetrachloride	EPA 624
	EPA 8260B
Chloroethane	EPA 624
	EPA 8260B
Chloroform	EPA 624
	EPA 8260B
Chloromethane	EPA 624
	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 624
	EPA 8260B
Dibromochloromethane	EPA 624
	EPA 8260B
Dichlorodifluoromethane	EPA 624
	EPA 8260B
Methylene chloride	EPA 624
	EPA 8260B
Tetrachloroethene	EPA 624

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Purgeable Halocarbons

Tetrachloroethene	EPA 8260B
trans-1,2-Dichloroethene	EPA 624
	EPA 8260B
trans-1,3-Dichloropropene	EPA 624
	EPA 8260B
Trichloroethene	EPA 624
	EPA 8260B
Trichlorofluoromethane	EPA 624
	EPA 8260B
Vinyl chloride	EPA 624
	EPA 8260B

Purgeable Organics

1,4-Dioxane	EPA 8260B
2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B
Acetone	EPA 8260B
Carbon Disulfide	EPA 8260B
Cyclohexane	EPA 8260B
Methyl acetate	EPA 8260B
Vinyl acetate	EPA 8260B

Residue

Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-20 2540D (97)

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270C

Semi-Volatile Organics

2-Methylnaphthalene	EPA 8270C
Acetophenone	EPA 8270C
Benzaldehyde	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Caprolactam	EPA 8270C
Dibenzofuran	EPA 8270C
Methyl cyclohexane	EPA 8260B

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Iron, Total	EPA 200.7 Rev. 4.4

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Wastewater Metals I

Iron, Total	EPA 6010B
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020

Wastewater Metals II

Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 245.2 Rev. 1974
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Wastewater Metals II	
Zinc, Total	EPA 6020
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
	EPA 6020
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Titanium, Total	EPA 200.7 Rev. 4.4
Wastewater Miscellaneous	
Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Bromide	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide, Total	LACHAT 10-204-00-1-A
	SM 18-21 4500-CN E (99)
Hydrogen Ion (pH)	EPA 9040B
	SM 18-21 4500-H B (00)
Oil & Grease Total Recoverable (HEM)	EPA 1664A

Wastewater Miscellaneous	
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
	SM 14 510C
Silica, Dissolved	EPA 200.7 Rev. 4.4
	EPA 6010B
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	EPA 376.2
	SM 18-20 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Sample Preparation Methods	
	EPA 3005A
	EPA 3015
	EPA 3510C
	EPA 5030B
	EPA 9010B
	EPA 9030B
	SM 18-20 4500-NH3 B (97)

Serial No.: 39216

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved subcategories and/or analytes are listed below:

Nutrient

Nitrite (as N)	LACHAT 10-107-04-1-C

Serial No.: 39217

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260B
Acrylonitrile	EPA 8260B
Amines	
1,2-Diphenylhydrazine	EPA 8270C
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
Carbazole	EPA 8270C
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270C
Characteristic Testing	
Corrosivity	EPA 9040B
	EPA 9045C
Ignitability	EPA 1010
	EPA 1030
Reactivity	SW-846 Ch7 Sec. 7.3
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081A
4,4'-DDE	EPA 8081A
4,4'-DDT	EPA 8081A
Aldrin	EPA 8081A
alpha-BHC	EPA 8081A
alpha-Chlordane	EPA 8081A
Atrazine	EPA 8270C
beta-BHC	EPA 8081A

Chlorinated Hydrocarbon Pesticides	
Chlordane Total	EPA 8081A
delta-BHC	EPA 8081A
Dieldrin	EPA 8081A
Endosulfan I	EPA 8081A
Endosulfan II	EPA 8081A
Endosulfan sulfate	EPA 8081A
Endrin	EPA 8081A
Endrin aldehyde	EPA 8081A
Endrin Ketone	EPA 8081A
gamma-Chlordane	EPA 8081A
Heptachlor	EPA 8081A
Heptachlor epoxide	EPA 8081A
Lindane	EPA 8081A
Methoxychlor	EPA 8081A
Toxaphene	EPA 8081A
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270C
2-Chloronaphthalene	EPA 8270C
Hexachlorobenzene	EPA 8270C
Hexachlorobutadiene	EPA 8270C
Hexachlorocyclopentadiene	EPA 8270C
Hexachloroethane	EPA 8270C
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	EPA 8151A

Serial No.: 39218

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Haloethers	
4-Bromophenylphenyl ether	EPA 8270C
4-Chlorophenylphenyl ether	EPA 8270C
Bis (2-chloroisopropyl) ether	EPA 8270C
Bis(2-chloroethoxy)methane	EPA 8270C
Bis(2-chloroethyl)ether	EPA 8270C
Metals I	
Barium, Total	EPA 6010B
Cadmium, Total	EPA 6010B
Calcium, Total	EPA 6010B
Chromium, Total	EPA 6010B
Copper, Total	EPA 6010B
Iron, Total	EPA 6010B
Lead, Total	EPA 6010B
Magnesium, Total	EPA 6010B
Manganese, Total	EPA 6010B
Nickel, Total	EPA 6010B
Potassium, Total	EPA 6010B
Silver, Total	EPA 6010B
Sodium, Total	EPA 6010B
Metals II	
Aluminum, Total	EPA 6010B
Antimony, Total	EPA 6010B
Arsenic, Total	EPA 6010B
Beryllium, Total	EPA 6010B
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471A
Selenium, Total	EPA 6010B
Metals II	
Vanadium, Total	EPA 6010B
Zinc, Total	EPA 6010B
Metals III	
Cobalt, Total	EPA 6010B
Molybdenum, Total	EPA 6010B
Thallium, Total	EPA 6010B
Tin, Total	EPA 6010B
Miscellaneous	
Boron, Total	EPA 6010B
Cyanide, Total	EPA 9012A
	EPA 9014
Hydrogen Ion (pH)	EPA 9040B
	EPA 9045C
Lead in Paint	EPA 6010B
Phenols	EPA 9065
Specific Conductance	EPA 9050
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 8270C
	EPA 8330
2,6-Dinitrotoluene	EPA 8270C
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330

Serial No.: 39218

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved analytes are listed below:

Nitroaromatics and Isophorone

3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 8270C
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 8270C
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 8270C
N-Nitrosodiphenylamine	EPA 8270C

Phthalate Esters

Benzyl butyl phthalate	EPA 8270C
Bis(2-ethylhexyl) phthalate	EPA 8270C
Diethyl phthalate	EPA 8270C
Dimethyl phthalate	EPA 8270C
Di-n-butyl phthalate	EPA 8270C
Di-n-octyl phthalate	EPA 8270C

Polychlorinated Biphenyls

PCB-1016	EPA 8082
PCB-1221	EPA 8082
PCB-1232	EPA 8082
PCB-1242	EPA 8082
PCB-1248	EPA 8082

Polychlorinated Biphenyls

PCB-1254	EPA 8082
PCB-1260	EPA 8082
PCB-1262	EPA 8082
PCB-1268	EPA 8082

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270C
Acenaphthylene	EPA 8270C
Anthracene	EPA 8270C
Benzo(a)anthracene	EPA 8270C
Benzo(a)pyrene	EPA 8270C
Benzo(b)fluoranthene	EPA 8270C
Benzo(ghi)perylene	EPA 8270C
Benzo(k)fluoranthene	EPA 8270C
Chrysene	EPA 8270C
Dibenzo(a,h)anthracene	EPA 8270C
Fluoranthene	EPA 8270C
Fluorene	EPA 8270C
Indeno(1,2,3-cd)pyrene	EPA 8270C
Naphthalene	EPA 8270C
Phenanthrene	EPA 8270C
Pyrene	EPA 8270C

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 8270C
2,4,6-Trichlorophenol	EPA 8270C
2,4-Dichlorophenol	EPA 8270C
2,4-Dimethylphenol	EPA 8270C
2,4-Dinitrophenol	EPA 8270C

Serial No.: 39218

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved analytes are listed below:

Priority Pollutant Phenols

2-Chlorophenol	EPA 8270C
2-Methyl-4,6-dinitrophenol	EPA 8270C
2-Methylphenol	EPA 8270C
2-Nitrophenol	EPA 8270C
4-Chloro-3-methylphenol	EPA 8270C
4-Methylphenol	EPA 8270C
4-Nitrophenol	EPA 8270C
Pentachlorophenol	EPA 8270C
Phenol	EPA 8270C

Purgeable Aromatics

1,2-Dichlorobenzene	EPA 8021B
	EPA 8260B
1,3-Dichlorobenzene	EPA 8021B
	EPA 8260B
1,4-Dichlorobenzene	EPA 8021B
	EPA 8260B
Benzene	EPA 8021B
	EPA 8260B
Chlorobenzene	EPA 8021B
	EPA 8260B
Ethyl benzene	EPA 8021B
	EPA 8260B
Isopropylbenzene	EPA 8260B
Styrene	EPA 8260B
Toluene	EPA 8021B
	EPA 8260B
Total Xylenes	EPA 8021B
	EPA 8260B

Purgeable Halocarbons

1,1,1-Trichloroethane	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B
1,1,2-Trifluoro-1,2,2-Trichloroethane	EPA 8260B
1,1-Dichloroethane	EPA 8260B
1,1-Dichloroethene	EPA 8260B
1,2-Dibromo-3-chloropropane	EPA 8260B
1,2-Dibromoethane	EPA 8260B
1,2-Dichloroethane	EPA 8260B
1,2-Dichloropropane	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 8260B
Bromoform	EPA 8260B
Bromomethane	EPA 8260B
Carbon tetrachloride	EPA 8260B
Chloroethane	EPA 8260B
Chloroform	EPA 8260B
Chloromethane	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 8260B
Dibromochloromethane	EPA 8260B
Dichlorodifluoromethane	EPA 8260B
Methylene chloride	EPA 8260B
Tetrachloroethene	EPA 8260B
trans-1,2-Dichloroethene	EPA 8260B
trans-1,3-Dichloropropene	EPA 8260B
Trichloroethene	EPA 8260B
Trichlorofluoromethane	EPA 8260B

Serial No.: 39218

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Purgeable Halocarbons	
Vinyl chloride	EPA 8260B
Purgeable Organics	
1,4-Dioxane	EPA 8260B
2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B
Acetone	EPA 8260B
Carbon Disulfide	EPA 8260B
Cyclohexane	EPA 8260B
Methyl acetate	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
tert-Butyl alcohol	EPA 8260B
Vinyl acetate	EPA 8260B
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270C
2-Methylnaphthalene	EPA 8270C
Acetophenone	EPA 8270C
Benzaldehyde	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Caprolactam	EPA 8270C
Dibenzofuran	EPA 8270C
Methyl cyclohexane	EPA 8260B
Sample Preparation Methods	
	EPA 1311
	EPA 3005A

Sample Preparation Methods
EPA 3050B
EPA 3051
EPA 3540C
EPA 3545
EPA 3580
EPA 5030B
EPA 5035
EPA 9010B
EPA 9030B

Serial No.: 39218

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148
EPA Lab Code: MA00086

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS All approved analytes are listed below:

Polynuclear Aromatics

Benzo(a)pyrene	EPA TO-13
Naphthalene	EPA TO-13

Serial No.: 39219

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260B
Acrylonitrile	EPA 8260B
Ethyl methacrylate	EPA 8260B
Methyl methacrylate	EPA 8260B
Amines	
1,4-Phenylenediamine	EPA 8270C
1-Naphthylamine	EPA 8270C
2-Naphthylamine	EPA 8270C
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
5-Nitro-o-toluidine	EPA 8270C
Aniline	EPA 8270C
Carbazole	EPA 8270C
Diphenylamine	EPA 8270C
Methapyrilene	EPA 8270C
Pronamide	EPA 8270C
Propionitrile	EPA 8260B
Pyridine	EPA 8260B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270C
3,3'-Dimethylbenzidine	EPA 8270C
Benzidine	EPA 625
	EPA 8270C

Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081A
4,4'-DDE	EPA 608
	EPA 8081A
4,4'-DDT	EPA 608
	EPA 8081A
Aldrin	EPA 608
	EPA 8081A
alpha-BHC	EPA 608
	EPA 8081A
alpha-Chlordane	EPA 8081A
beta-BHC	EPA 608
	EPA 8081A
Chlordane Total	EPA 608
	EPA 8081A
delta-BHC	EPA 608
	EPA 8081A
Dieldrin	EPA 608
	EPA 8081A
Endosulfan I	EPA 608
	EPA 8081A
Endosulfan II	EPA 608
	EPA 8081A
Endosulfan sulfate	EPA 608
	EPA 8081A
Endrin	EPA 608
	EPA 8081A
Endrin aldehyde	EPA 608

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
Endrin aldehyde	EPA 8081A
Endrin Ketone	EPA 8081A
gamma-Chlordane	EPA 8081A
Heptachlor	EPA 608
	EPA 8081A
Heptachlor epoxide	EPA 608
	EPA 8081A
Lindane	EPA 608
	EPA 8081A
Methoxychlor	EPA 8081A
Toxaphene	EPA 608
	EPA 8081A
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260B
1,2,4,5-Tetrachlorobenzene	EPA 8270C
1,2,4-Trichlorobenzene	EPA 625
	EPA 8260B
	EPA 8270C
1-Chloronaphthalene	EPA 8270C
2-Chloronaphthalene	EPA 625
	EPA 8270C
Hexachlorobenzene	EPA 625
	EPA 8270C
Hexachlorobutadiene	EPA 625
	EPA 8270C
Hexachlorocyclopentadiene	EPA 625
	EPA 8270C
Hexachloroethane	EPA 625
Chlorinated Hydrocarbons	
Hexachloroethane	EPA 8270C
Hexachloropropene	EPA 8270C
Pentachlorobenzene	EPA 8270C
Fuel Oxygenates	
Ethanol	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
tert-amyl methyl ether	EPA 8260B
tert-Butyl alcohol	EPA 8260B
Haloethers	
4-Bromophenylphenyl ether	EPA 625
	EPA 8270C
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270C
Bis (2-chloroisopropyl) ether	EPA 625
	EPA 8270C
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270C
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270C
Microextractables	
1,2-Dibromo-3-chloropropane	EPA 8260B
	EPA 8270C
1,2-Dibromoethane	EPA 8260B
Mineral	
Alkalinity	SM 18-21 2320B (97)

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Nitroaromatics and Isophorone

1,3,5-Trinitrobenzene	EPA 8270C
1,3-Dinitrobenzene	EPA 8270C
1,4-Naphthoquinone	EPA 8270C
2,4-Dinitrotoluene	EPA 625
	EPA 8270C
2,6-Dinitrotoluene	EPA 625
	EPA 8270C
Isophorone	EPA 625
	EPA 8270C
Nitrobenzene	EPA 625
	EPA 8270C

Nitrosoamines

N-Nitrosodiethylamine	EPA 8270C
N-Nitrosodimethylamine	EPA 625
	EPA 8270C
N-Nitrosodi-n-butylamine	EPA 8260B
	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270C
N-Nitrosodiphenylamine	EPA 625
	EPA 8270C
N-nitrosopiperidine	EPA 8270C
N-Nitrosopyrrolidine	EPA 8270C

Organophosphate Pesticides

Famphur	EPA 8270C

Phthalate Esters

Benzyl butyl phthalate	EPA 625
	EPA 8270C
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270C
Diethyl phthalate	EPA 625
	EPA 8270C
Dimethyl phthalate	EPA 625
	EPA 8270C
Di-n-butyl phthalate	EPA 625
	EPA 8270C
Di-n-octyl phthalate	EPA 625
	EPA 8270C

Polychlorinated Biphenyls

2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	EPA 8082
2,2',3,3',4,4',5-Heptachlorobiphenyl	EPA 8082
2,2',3,3',4,4'-Hexachlorobiphenyl	EPA 8082
2,2',3,4,4',5'-Hexachlorobiphenyl	EPA 8082
2,2',3,5'-Tetrachlorobiphenyl	EPA 8082
2,2',5,5'-Tetrachlorobiphenyl	EPA 8082
2,2',5-Trichlorobiphenyl	EPA 8082
2,3',4,4'-Tetrachlorobiphenyl	EPA 8082
PCB-1016	EPA 608
PCB-1221	EPA 608
PCB-1232	EPA 608
PCB-1242	EPA 608
PCB-1248	EPA 608
PCB-1254	EPA 608
PCB-1260	EPA 608

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polynuclear Aromatics

3-Methylcholanthrene	EPA 8270C
7,12-Dimethylbenzyl (a) anthracene	EPA 8270C
Acenaphthene	EPA 625
	EPA 8270C
Acenaphthylene	EPA 625
	EPA 8270C
Anthracene	EPA 625
	EPA 8270C
Benzo(a)anthracene	EPA 625
	EPA 8270C
Benzo(a)pyrene	EPA 625
	EPA 8270C
Benzo(b)fluoranthene	EPA 625
	EPA 8270C
Benzo(ghi)perylene	EPA 625
	EPA 8270C
Benzo(k)fluoranthene	EPA 625
	EPA 8270C
Chrysene	EPA 625
	EPA 8270C
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270C
Fluoranthene	EPA 625
	EPA 8270C
Fluorene	EPA 625
	EPA 8270C
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270C

Polynuclear Aromatics

Naphthalene	EPA 625
	EPA 8260B
	EPA 8270C
Phenanthrene	EPA 625
	EPA 8270C
Pyrene	EPA 625
	EPA 8270C

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270C
2,4,5-Trichlorophenol	EPA 8270C
2,4,6-Trichlorophenol	EPA 625
	EPA 8270C
2,4-Dichlorophenol	EPA 625
	EPA 8270C
2,4-Dimethylphenol	EPA 625
	EPA 8270C
2,4-Dinitrophenol	EPA 625
	EPA 8270C
2-Chlorophenol	EPA 625
	EPA 8270C
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270C
2-Methylphenol	EPA 8270C
2-Nitrophenol	EPA 625
	EPA 8270C
3-Methylphenol	EPA 8270C
4-Chloro-3-methylphenol	EPA 625
	EPA 8270C

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Priority Pollutant Phenols	
4-Methylphenol	EPA 8270C
4-Nitrophenol	EPA 625
	EPA 8270C
Pentachlorophenol	EPA 625
	EPA 8270C
Phenol	EPA 625
	EPA 8270C
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA 8260B
1,2-Dichlorobenzene	EPA 625
	EPA 8260B
	EPA 8270C
1,3,5-Trimethylbenzene	EPA 8260B
1,3-Dichlorobenzene	EPA 625
	EPA 8260B
	EPA 8270C
1,4-Dichlorobenzene	EPA 625
	EPA 8260B
	EPA 8270C
Benzene	EPA 8260B
Chlorobenzene	EPA 8260B
Ethyl benzene	EPA 8260B
Isopropylbenzene	EPA 8260B
n-Butylbenzene	EPA 8260B
n-Propylbenzene	EPA 8260B
p-Isopropyltoluene (P-Cymene)	EPA 8260B
sec-Butylbenzene	EPA 8260B
Toluene	EPA 8260B
Purgeable Aromatics	
Total Xylenes	EPA 8260B
Purgeable Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260B
1,1,1-Trichloroethane	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B
1,1-Dichloroethane	EPA 8260B
1,1-Dichloroethene	EPA 8260B
1,1-Dichloropropene	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B
1,2-Dichloroethane	EPA 8260B
1,2-Dichloropropane	EPA 8260B
1,3-Dichloropropane	EPA 8260B
2,2-Dichloropropane	EPA 8260B
2-Chloroethylvinyl ether	EPA 8260B
3-Chloropropene (Allyl chloride)	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 8260B
Bromoform	EPA 8260B
Bromomethane	EPA 8260B
Carbon tetrachloride	EPA 8260B
Chloroethane	EPA 8260B
Chloroform	EPA 8260B
Chloromethane	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 8260B
Dibromochloromethane	EPA 8260B
Dibromomethane	EPA 8260B

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Purgeable Halocarbons

Dichlorodifluoromethane	EPA 8260B
Methylene chloride	EPA 8260B
Tetrachloroethene	EPA 8260B
trans-1,2-Dichloroethene	EPA 8260B
trans-1,3-Dichloropropene	EPA 8260B
trans-1,4-Dichloro-2-butene	EPA 8260B
Trichloroethene	EPA 8260B
Trichlorofluoromethane	EPA 8260B
Vinyl chloride	EPA 8260B

Purgeable Organics

1,4-Dioxane	EPA 8260B
2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B
Acetone	EPA 8260B
Acetonitrile	EPA 8260B
Carbon Disulfide	EPA 8260B
Ethyl Acetate	EPA 8260B
Isobutyl alcohol	EPA 8260B
o-Toluidine	EPA 8260B
	EPA 8270C
Vinyl acetate	EPA 8260B

Residue

Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-20 2540D (97)

Semi-Volatile Organics

2-Methylnaphthalene	EPA 8270C
4-Amino biphenyl	EPA 8270C
Acetophenone	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Dibenzofuran	EPA 8270C
Ethyl methanesulfonate	EPA 8270C
Isosafrole	EPA 8270C
Methyl methanesulfonate	EPA 8270C
O,O,O-Triethyl phosphorothioate	EPA 8270C
p-Dimethylaminoazobenzene	EPA 8270C
Phenacetin	EPA 8270C
Safrole	EPA 8270C

Volatile Chlorinated Organics

Benzyl chloride	EPA 8260B

Wastewater Metals I

Barium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Cadmium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Chromium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Copper, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Lead, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Manganese, Total	EPA 200.8 Rev. 5.4

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Wastewater Metals I	
Manganese, Total	EPA 6020
Nickel, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Silver, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Strontium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Wastewater Metals II	
Aluminum, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Antimony, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Arsenic, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Beryllium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Mercury, Total	EPA 1631E
	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Vanadium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Zinc, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Wastewater Metals III	
Cobalt, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Wastewater Metals III	
Molybdenum, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Thallium, Total	EPA 200.8 Rev. 5.4
	EPA 6020
Wastewater Miscellaneous	
Cyanide, Total	EPA 9014
Hydrogen Ion (pH)	EPA 9040B
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	EPA 376.2
Turbidity	EPA 180.1 Rev. 2.0
Sample Preparation Methods	
	EPA 3510C
	EPA 3511
	EPA 5030B
	EPA 9010B

Serial No.: 39518

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved subcategories and/or analytes are listed below:

Polychlorinated Biphenyls

2,3',4,4',5-Pentachlorobiphenyl	EPA 8082

Serial No.: 39519

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved analytes are listed below:

Acrylates

Acrolein (Propenal)	EPA 8260B
Acrylonitrile	EPA 8260B
Ethyl methacrylate	EPA 8260B
Methyl acrylonitrile	EPA 8260B
Methyl methacrylate	EPA 8260B

Amines

1,2-Diphenylhydrazine	EPA 8270C
1,4-Phenylenediamine	EPA 8270C
1-Naphthylamine	EPA 8270C
2-Naphthylamine	EPA 8270C
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4,4'-Oxydianiline	EPA 8270C
4-Chloro-1,2-phenylenediamine	EPA 8270C
4-Chloro-1,3-phenylenediamine	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
5-Chloro-2-methylaniline	EPA 8270C
5-Nitro-o-toluidine	EPA 8270C
Aniline	EPA 8270C
Carbazole	EPA 8270C
Diphenylamine	EPA 8270C
Methapyrilene	EPA 8270C
o-Anisidine	EPA 8270C
Pronamide	EPA 8270C

Benzidines

3,3'-Dichlorobenzidine	EPA 8270C

Benzidines

3,3'-Dimethylbenzidine	EPA 8270C
Benzidine	EPA 8270C

Characteristic Testing

Corrosivity	EPA 9040B
	EPA 9045C

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081A
4,4'-DDE	EPA 8081A
4,4'-DDT	EPA 8081A
Aldrin	EPA 8081A
alpha-BHC	EPA 8081A
alpha-Chlordane	EPA 8081A
beta-BHC	EPA 8081A
Chlordane Total	EPA 8081A
Chlorobenzilate	EPA 8081A
delta-BHC	EPA 8081A
Diallate	EPA 8081A
Dieldrin	EPA 8081A
Endosulfan I	EPA 8081A
Endosulfan II	EPA 8081A
Endosulfan sulfate	EPA 8081A
Endrin	EPA 8081A
Endrin aldehyde	EPA 8081A
Endrin Ketone	EPA 8081A
gamma-Chlordane	EPA 8081A
Heptachlor	EPA 8081A
Heptachlor epoxide	EPA 8081A

Serial No.: 39520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides

Kepone	EPA 8081A
Lindane	EPA 8081A
Methoxychlor	EPA 8081A
Pentachloronitrobenzene	EPA 8081A
	EPA 8270C
Toxaphene	EPA 8081A
Trifluralin	EPA 8081A

Chlorinated Hydrocarbons

1,2,4,5-Tetrachlorobenzene	EPA 8270C
1,2,4-Trichlorobenzene	EPA 8260B
	EPA 8270C
1-Chloronaphthalene	EPA 8270C
2-Chloronaphthalene	EPA 8270C
Hexachlorobenzene	EPA 8270C
Hexachlorobutadiene	EPA 8260B
	EPA 8270C
Hexachlorocyclopentadiene	EPA 8270C
Hexachloroethane	EPA 8270C
Hexachlorophene	EPA 8270C
Hexachloropropene	EPA 8270C
Pentachlorobenzene	EPA 8270C

Haloethers

4-Bromophenylphenyl ether	EPA 8270C
4-Chlorophenylphenyl ether	EPA 8270C
Bis (2-chloroisopropyl) ether	EPA 8270C
Bis(2-chloroethoxy)methane	EPA 8270C
Bis(2-chloroethyl)ether	EPA 8270C

Metals I

Barium, Total	EPA 6020
Cadmium, Total	EPA 6020
Chromium, Total	EPA 6020
Copper, Total	EPA 6020
Lead, Total	EPA 6020
Manganese, Total	EPA 6020
Nickel, Total	EPA 6020
Silver, Total	EPA 6020

Metals II

Aluminum, Total	EPA 6020
Antimony, Total	EPA 6020
Arsenic, Total	EPA 6020
Beryllium, Total	EPA 6020
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471A
	EPA 7474
Selenium, Total	EPA 6020
Vanadium, Total	EPA 6020
Zinc, Total	EPA 6020

Metals III

Cobalt, Total	EPA 6020
Molybdenum, Total	EPA 6020
Thallium, Total	EPA 6020

Miscellaneous

Cyanide, Total	EPA 9014
Hydrogen Ion (pH)	EPA 9040B

Serial No.: 39520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Miscellaneous

Hydrogen Ion (pH)	EPA 9045C

Nitroaromatics and Isophorone

1,2-Dinitrobenzene	EPA 8270C
1,4-Dinitrobenzene	EPA 8270C
1,4-Naphthoquinone	EPA 8270C
2,4-Dinitrotoluene	EPA 8270C
2,6-Dinitrotoluene	EPA 8270C
Hydroquinone	EPA 8270C
Isophorone	EPA 8270C
Nitrobenzene	EPA 8270C
Nitroquinoline-1-oxide	EPA 8270C
Pyridine	EPA 8260B
	EPA 8270C

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270C
N-Nitrosodi-n-butylamine	EPA 8260B
N-Nitrosodi-n-propylamine	EPA 8270C
N-Nitrosodiphenylamine	EPA 8270C
N-nitrosomethylethylamine	EPA 8270C
N-nitrosomorpholine	EPA 8270C
N-nitrosopiperidine	EPA 8270C
N-Nitrosopyrrolidine	EPA 8270C

Organophosphate Pesticides

Famphur	EPA 8270C
Mevinphos	EPA 8270C
TEPP	EPA 8270C

Phthalate Esters

Benzyl butyl phthalate	EPA 8270C
Bis(2-ethylhexyl) phthalate	EPA 8270C
Diethyl phthalate	EPA 8270C
Dimethyl phthalate	EPA 8270C
Di-n-butyl phthalate	EPA 8270C
Di-n-octyl phthalate	EPA 8270C

Polychlorinated Biphenyls

2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	EPA 8082
2,2',3,3',4,4',5-Heptachlorobiphenyl	EPA 8082
2,2',3,4,4',5,5'-Heptachlorobiphenyl	EPA 8082
2,2',3,4,4',5',6-Heptachlorobiphenyl	EPA 8082
2,2',3,4,4',5'-Hexachlorobiphenyl	EPA 8082
2,2',3,4',5,5',6-Heptachlorobiphenyl	EPA 8082
2,2',3,4,5,5'-Hexachlorobiphenyl	EPA 8082
2,2',3,4,5'-Pentachlorobiphenyl	EPA 8082
2,2',3,5,5',6-Hexachlorobiphenyl	EPA 8082
2,2',3,5'-Tetrachlorobiphenyl	EPA 8082
2,2',4,4',5,5'-Hexachlorobiphenyl	EPA 8082
2,2',4,5,5'-Pentachlorobiphenyl	EPA 8082
2,2',5,5'-Tetrachlorobiphenyl	EPA 8082
2,2',5-Trichlorobiphenyl	EPA 8082
2,3,3',4,6-Pentachlorobiphenyl	EPA 8082
2,3',4,4'-Tetrachlorobiphenyl	EPA 8082
2,3-Dichlorobiphenyl	EPA 8082
2,4',5-Trichlorobiphenyl	EPA 8082
2-Chlorobiphenyl	EPA 8082
PCB-1016	EPA 8082
PCB-1221	EPA 8082

Serial No.: 39520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Polychlorinated Biphenyls

PCB-1232	EPA 8082
PCB-1242	EPA 8082
PCB-1248	EPA 8082
PCB-1254	EPA 8082
PCB-1260	EPA 8082

Polynuclear Aromatic Hydrocarbons

3-Methylcholanthrene	EPA 8270C
7,12-Dimethylbenzyl (a) anthracene	EPA 8270C
Acenaphthene	EPA 8270C
Acenaphthylene	EPA 8270C
Anthracene	EPA 8270C
Benzo(a)anthracene	EPA 8270C
Benzo(a)pyrene	EPA 8270C
Benzo(b)fluoranthene	EPA 8270C
Benzo(ghi)perylene	EPA 8270C
Benzo(k)fluoranthene	EPA 8270C
Chrysene	EPA 8270C
Dibenzo(a,e)pyrene	EPA 8270C
Dibenzo(a,h)anthracene	EPA 8270C
Dibenzo(a,j)acridine	EPA 8270C
Fluoranthene	EPA 8270C
Fluorene	EPA 8270C
Indeno(1,2,3-cd)pyrene	EPA 8270C
Naphthalene	EPA 8260B
	EPA 8270C
Phenanthrene	EPA 8270C
Pyrene	EPA 8270C

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270C
2,4,5-Trichlorophenol	EPA 8270C
2,4,6-Trichlorophenol	EPA 8270C
2,4-Dichlorophenol	EPA 8270C
2,4-Dimethylphenol	EPA 8270C
2,4-Dinitrophenol	EPA 8270C
2,6-Dichlorophenol	EPA 8270C
2-Chlorophenol	EPA 8270C
2-Methyl-4,6-dinitrophenol	EPA 8270C
2-Methylphenol	EPA 8270C
2-Nitrophenol	EPA 8270C
3-Methylphenol	EPA 8270C
4-Chloro-3-methylphenol	EPA 8270C
4-Methylphenol	EPA 8270C
4-Nitrophenol	EPA 8270C
Pentachlorophenol	EPA 8270C
Phenol	EPA 8270C
Thiophenol	EPA 8270C

Purgeable Aromatics

1,2,4-Trimethylbenzene	EPA 8260B
1,2-Dichlorobenzene	EPA 8260B
	EPA 8270C
1,3,5-Trimethylbenzene	EPA 8260B
1,3-Dichlorobenzene	EPA 8260B
	EPA 8270C
1,4-Dichlorobenzene	EPA 8260B
	EPA 8270C
2-Chlorotoluene	EPA 8260B

Serial No.: 39520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Purgeable Aromatics

4-Chlorotoluene	EPA 8260B
Benzene	EPA 8260B
Bromobenzene	EPA 8260B
Chlorobenzene	EPA 8260B
Ethyl benzene	EPA 8260B
Isopropylbenzene	EPA 8260B
n-Butylbenzene	EPA 8260B
n-Propylbenzene	EPA 8260B
p-Isopropyltoluene (P-Cymene)	EPA 8260B
sec-Butylbenzene	EPA 8260B
Styrene	EPA 8260B
tert-Butylbenzene	EPA 8260B
Toluene	EPA 8260B
Total Xylenes	EPA 8260B

Purgeable Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260B
1,1,1-Trichloroethane	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B
1,1-Dichloroethane	EPA 8260B
1,1-Dichloroethene	EPA 8260B
1,1-Dichloropropene	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B
1,2-Dibromo-3-chloropropane	EPA 8081A
1,2-Dibromoethane	EPA 8260B
1,2-Dichloroethane	EPA 8260B
1,2-Dichloropropane	EPA 8260B
1,3-Dichloro-2-propanol	EPA 8260B

Purgeable Halocarbons

1,3-Dichloropropane	EPA 8260B
2,2-Dichloropropane	EPA 8260B
2-Chloroethylvinyl ether	EPA 8260B
3-Chloropropene (Allyl chloride)	EPA 8260B
Bromoacetone	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 8260B
Bromoform	EPA 8260B
Bromomethane	EPA 8260B
Carbon tetrachloride	EPA 8260B
Chloroethane	EPA 8260B
Chloroform	EPA 8260B
Chloromethane	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 8260B
cis-1,4-Dichloro-2-butene	EPA 8260B
Dibromochloromethane	EPA 8260B
Dibromomethane	EPA 8260B
Dichlorodifluoromethane	EPA 8260B
Methylene chloride	EPA 8260B
Tetrachloroethene	EPA 8260B
trans-1,2-Dichloroethene	EPA 8260B
trans-1,3-Dichloropropene	EPA 8260B
trans-1,4-Dichloro-2-butene	EPA 8260B
Trichloroethene	EPA 8260B
Trichlorofluoromethane	EPA 8260B
Vinyl chloride	EPA 8260B

Serial No.: 39520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Purgeable Organics

1,4-Dioxane	EPA 8260B
2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B
Acetone	EPA 8260B
Acetonitrile	EPA 8260B
Carbon Disulfide	EPA 8260B
Ethyl Acetate	EPA 8260B
Isobutyl alcohol	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
o-Toluidine	EPA 8260B
	EPA 8270C
Propionitrile	EPA 8260B
tert-Butyl alcohol	EPA 8260B
Vinyl acetate	EPA 8260B

Semi-Volatile Organics

2-Methylnaphthalene	EPA 8270C
4-Amino biphenyl	EPA 8270C
Acetophenone	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Dibenzofuran	EPA 8270C
Diethyl sulfate	EPA 8270C
Dihydrosafrole	EPA 8270C
Ethyl methanesulfonate	EPA 8270C
Isosafrole	EPA 8270C
Methyl methanesulfonate	EPA 8270C
O,O,O-Triethyl phosphorothioate	EPA 8270C

Semi-Volatile Organics

Resorcinol	EPA 8270C
Safrole	EPA 8270C
Toluene Diisocyanate	EPA 8270C

Volatile Chlorinated Organics

Benzyl chloride	EPA 8260B

Sample Preparation Methods

EPA 1311
EPA 3050B
EPA 3580
EPA 5030B
EPA 5035
EPA 9010B

Serial No.: 39520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates

Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15

Polynuclear Aromatics

Naphthalene	EPA TO-15

Purgeable Aromatics

1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15

Purgeable Halocarbons

1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1,2-Trifluoro-1,2,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15

Purgeable Halocarbons

1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15

Volatile Chlorinated Organics

Benzyl chloride	EPA TO-15

Serial No.: 39521

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LEONARD C. PITTS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627
EPA Lab Code: MA00030

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Volatile Organics

1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Hexane	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
Vinyl acetate	EPA TO-15

Serial No.: 39521

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NELAP Recognized

Appendix 3: FAA Notice of Proposed Construction or Alteration

Please Type or Print on This Form

Form Approved OMB No.2120-0001
Expiration Date: 7/31/07

U.S. Department of Transportation
Federal Aviation Administration

Failure To Provide All Requested Information May Delay Processing of Your Notice

Notice of Proposed Construction or Alteration

FOR FAA USE ONLY
Aeronautical Study Number

1. Sponsor *(person, company, etc. proposing this action)*:
Attn. of: Waymond Issac, Warden
Name: New York City Department of Correction
Address: 13-11 Hazen Street
City: East Elmhurst State: NY Zip: 11370
Telephone: (718) 546-1429 Fax:

2. Sponsor's Representative *(if other than #1)*:
Attn. of: Ramon Li
Name: AKRF, Inc.
Address: 440 Park Avenue South
City: New York State: NY Zip: 10016
Telephone: (646) 388-9724 Fax: (212) 447-9942

3. Notice of: [X] New Construction [ ] Alteration [ ] Existing

4. Duration: [X] Permanent [ ] Temporary (____ months, ____ days)

5. Work Schedule: Beginning September 2011 End December 2013

6. Type: [ ] Antenna Tower [ ] Crane [ ] Building [ ] Power Line [ ] Landfill [ ] Water Tank [X] Other Power plant stack

7. Marking/Painting and/or Lighting Preferred:
[ ] Red Lights and Paint
[ ] White - Medium Intensity
[ ] White - High Intensity
[ ] Dual - Red and Medium Intensity White
[ ] Dual - Red and high Intensity White
[X] Other

8. FCC Antenna Structure Registration Number *(if applicable)*:

9. Latitude: 40 ° 47 ' 50 , 92496 "

10. Longitude: 073 ° 53 ' 18 , 95638 "

11. Datum: [X] NAD 83 [ ] NAD 27 [ ] Other

12. Nearest: City: New York State NY

13. Nearest *Public-use* *(not private-use)* or Military Airport or Heliport:
LGA

14. Distance from #13. to Structure: 6,200 feet

15. Direction from #13. to Structure: 335 degrees true

16. Site Elevation *(AMSL)*: 20 ft.

17. Total Structure Height *(AGL)*: 151 ft.

18. Overall Height (#16 + #17) *(AMSL)*: 171 ft.

19. Previous FAA Aeronautical Study Number *(if applicable)*:
_____-OE

20. Description of Location: *(Attach a USGS 7.5 minute Quadrangle Map with the precise site marked and any certified survey)*
The proposed stacks would be in the northwest area of Rikers Island. A site survey and a USGS topographic map showing the site and La Guardia Airport are attached.

21. Complete Description of Proposal:
New York City Department of Correction (DOC) operates a prison complex that holds approximately 16,000 prisoners on the 412- acre Rikers Island The prison is surrounded on all sides by the East River and is located in the Borough of the Bronx with vehicular access from the Borough of Queens. DOC has 8 existing boilers used to generate steam. These boilers have three (3) existing stacks that are approximately 180 feet above ground level. Currently, the electrical power is provided by Con Edison. DOC is proposing to install two (2) new 7.5 MW gas turbines to supply electricity. The new turbines would be housed in a new building approximately 40 feet in height, and the turbines would have 2 new stacks approximately 151 feet in height, which is lower than the existing 180-foot stacks. The 2 new stacks would be located approximately 100 feet northwest of the closest existing stack.

Frequency/Power (kW)	

Notice is required by 14 Code of Federal Regulations, part 77 pursuant to 49 U.S.C., Section 44718. Persons who knowingly and willingly violate the notice requirements of part 77 are subject to a civil penalty of $1,000 per day until the notice is received, pursuant to 49 U.S.C., Section 46301(a)

I hereby certify that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to mark and/or light the structure in accordance with established marking & lighting standards as necessary.

Date	Typed or Printed Name and Title of Person Filing Notice	Signature
July 11, 2011	Ramon Li, Technical Director	

Appendix 4: Waterfront Revitalization Program

NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM

Coastal Assessment Form

A. INSTRUCTIONS (Please print or type all answers)

1. State agencies shall complete this CAF for proposed actions which are subject to Part 600 of Title 19 of the NYCRR. This assessment is intended to supplement other information used by a state agency in making a determination of significance pursuant to the State Environmental Quality Review Act (see 6 NYCRR, Part 617). If it is determined that a proposed action will not have a significant effect on the environment, this assessment is intended to assist a state agency in complying with the certification requirements of 19 NYCRR Section 600.4.

2. If any question in Section C on this form is answered "yes," then the proposed action may affect the achievement of the coastal policies contained in Article 42 of the Executive Law. Thus, the action should be analyzed in more detail and, if necessary, modified prior to either (a) making a certification of consistency pursuant to 19 NYCRR Part 600 or, (b) making the findings required under SEQR, 6 NYCRR, Section 617.11, if the action is one for which an environmental impact statement is being prepared. If an action cannot be certified as consistent with the coastal policies, it shall not be undertaken.

3. Before answering the questions in Section C, the preparer of this form should review the coastal policies contained in 19 NYCRR Section 600.5. A proposed action should be evaluated as to its significant beneficial and adverse effects upon the coastal area.

B. DESCRIPTION OF PROPOSED ACTION

1. Type of state agency action (check appropriate response):
   - [(a)] Directly undertaken (e.g. capital construction, planning activity, agency regulation, land transaction)
   - (b) Financial assistance (e.g. grant, loan, subsidy)
   - (c) Permit, license, certification

2. Describe nature and extent of action:

Construction and operation of a new cogeneration plant, substation, and feeder line for the New York City Department of Correction.

3. Location of action:

Bronx	**New York**	**Hazen Street, northwest corner of Rikers Island**
County	City, Town or Village	Street or Site Description

4. If an application for the proposed action has been filed with the state agency, the following information shall be provided:

(a)	Name of applicant:	**John M. Kahabka, Vice President Environment, Health and Safety, New York Power Authority**
(b)	Mailing address:	**123 Main Street**
		White Plains, NY 10601
(c)	Telephone Number: Area Code	**(914) 681-6308**
(d)	State agency application number:	

5. Will the action be directly undertaken, require funding, or approval by a federal agency?
   Yes [No] If yes, which federal agency? _____

C. COASTAL ASSESSMENT (Check either "YES" or "NO" for each of the following questions)

1. Will the proposed activity be located in, or contiguous to, or have a significant effect upon any of the resource areas identified on the coastal area map:

		YES	NO
(a)	Significant fish or wildlife habitats?	**X**	
(b)	Scenic resources of statewide significance?		**X**
(c)	Important agricultural lands?		**X**

2. Will the proposed activity have a significant effect upon:

(a)	Commercial or recreational use of fish and wildlife resources?		**X**
(b)	Scenic quality of the coastal environment?		**X**
(c)	Development of future, or existing water dependent uses?		**X**
(d)	Operation of the State's major ports?		**X**
(e)	Land and water uses within the State's small harbors?		**X**
(f)	Existing or potential public recreation opportunities?		**X**
(g)	Structures, sites or districts of historic, archeological or cultural significance to the State or nation?		**X**

3. Will the proposed activity involve or result in any of the following:

(a)	Physical alteration of two (2) acres or more of land along the shoreline, land under water or coastal waters?		**X**
(b)	Physical alteration of five (5) acres or more of land located elsewhere in the coastal area		**X**
(c)	Expansion of existing public services of infrastructure in undeveloped or low density areas of the coastal area?		**X**
(d)	Energy facility not subject to Article VII or VIII of the Public Service Law?	**X**	
(e)	Mining, excavation, filling or dredging in coastal waters?		**X**
(f)	Reduction of existing or potential public access to or along the shore?		**X**
(g)	Sale or change in use of state-owned lands located on the shoreline or under water?		**X**
(h)	Development within a designated flood or erosion hazard area?		**X**
(i)	Development on a beach, dune, barrier island or other natural feature that provides protection against flooding or erosion?		**X**

4. Will the proposed action be located in or have a significant effect upon an area included in an approved Local Waterfront Revitalization Program? **X** _____

D. SUBMISSION REQUIREMENTS

If any question in Section C is answered "Yes", AND either of the following two conditions is met:

Section B.1(a) or B.1(b) is checked; or
Section B.1(c) is checked AND B.5 is answered "Yes",

THEN one copy of the Completed Coastal Assessment Form shall be submitted to:

New York State Department of State
Division of Coastal Resources
41 State Street, 8th Floor
Albany, New York 12231

If assistance of further information is needed to complete this form, please call the Department of State at (518) 474-6000.

E. REMARKS OR ADDITIONAL INFORMATION

Preparer's Name:	John Kahabka (Please print)		
Title:	Vice President, Environment, Health and Safety	Agency:	New York Power Authority
Telephone Number:	(914) 681-6308	Date:	April 7, 2010

For Internal Use Only:	WRP no._____
Date Received:_____	DOS no._____

NEW YORK CITY WATERFRONT REVITALIZATION PROGRAM
Consistency Assessment Form

Proposed action subject to CEQR, ULURP, or other Local, State or Federal Agency Discretionary Actions that are situated within New York City's designated Coastal Zone Boundary must be reviewed and assessed for their consistency with the *New York City Waterfront Revitalization Program (WRP)*. The WRP was adopted as a 197-a Plan by the Council of the City of New York on October 13, 1999, and approved in coordination with local, state and Federal laws and regulations, including the State's Coastal Management Program (Executive Law, Article 42) and the Federal Coastal Zone Management Act of 1972 (P.L. 92-583). As a result of these approvals, state and federal discretionary actions within the city's coastal zone must be consistent to the maximum extent practicable with the WRP policies and the city must be given the opportunity to comment on all state and federal projects within its coastal zone.

This form is intended to assist an applicant in certifying that the proposed activity is consistent with the WRP. It should be completed when the local, state, or federal application is prepared. The completed form and accompanying information will be used by the New York State Department of State, other State Agency or the New York City Department of City Planning in its review of the applicant's certification of consistency.

A. APPLICANT

1. Name:
John M. Kahabka, Vice President Environment, Health and Safety

Address:
123 Main Street, White Plains, NY 10601

3. Telephone: **(914) 681-6308**
Fax: **(914) 287-3294**

E-mail Address:
John.Kahabka@nypa.gov

4. Project site owner:
New York City Department of Correction

B. PROPOSED ACTIVITY

1. Brief description of activity:
Construction and operation of a new cogeneration plant, substation, and feeder line for the New York City Department of Correction (NYCDOC).

2. Purpose of activity:
The proposed project would construct a new cogeneration plant, substation, and feeder line to serve the Rikers Island facility.

3. Location of activity: **Rikers Island**
Borough: **Bronx**

Street Address or Site Description:
Hazen Street, northwest corner of Rikers Island

Proposed Activity Cont'd

4. If a federal or state permit or license was issued or is required for the proposed activity, identify the permit type(s), the authorizing agency and provide the application or permit number(s), if known:

5. Is federal or state funding being used to finance the project? If so, please identify the funding source(s).

		Yes	No
6.	Will the proposed project result in any large physical change to a site within the coastal area that will require the preparation of an environmental impact statement?		
	If yes, identify Lead Agency:		X

7. Identify **City** discretionary actions, such as **zoning amendment or adoption of an urban renewal plan**, required for the proposed project.

Consistency with Local Waterfront Revitalization Program by New York City Department of City Planning

C. COASTAL ASSESSMENT

The following questions represent, in a broad sense, the policy of the WRP. The number in the parentheses after each question indicated the policy or policies that are the focus of the question. A detailed explanation of the Waterfront Revitalization Program and its policies are contained in the publication the *New York City Waterfront Revitalization Program.*

Check either "Yes" or "No" for each of the following questions. Once the checklist is completed, assess how the proposed project affects the policy or standards indicated in "( )" after each question with a Yes response. Explain how the action is consistent with the goals of the policy or standard.

Location Questions:		**Yes**	**No**
1.	Is the project site on the waterfront or at the water's edge?	X	
2.	Does the proposed project require a waterfront site?		X
3.	Would the action result in a physical alteration to a waterfront site, including land along the shoreline, land underwater, or coastal waters?	X	

Policy Questions:		**Yes**	**No**
	The following questions represent, in a broad sense, the policies of the WRP. Numbers in parentheses after each questions indicate the policy or policies addressed by the question. The new Waterfront Revitalization Program offers detailed explanations of the policies, including criteria for consistency determinations.		
	Check either "Yes" or "No" for each of the following questions. For all "yes" responses, provide an attachment assessing the effects of the proposed activity on the relevant policies or standards. Explain how the action would be consistent with the goals of those policies and standards.		
4.	Will the proposed project result in revitalization or redevelopment of a deteriorated or under- used waterfront site? (1)	X	
5.	Is the project site appropriate for residential or commercial redevelopment? (1.1)		X
6.	Will the action result in a change in scale or character of a neighborhood? (1.2)		X
7.	Will the proposed activity require provision of new public services or infrastructure in undeveloped or sparsely populated sections of the coastal area? (1.3)		X

Policy Questions cont'd:		Yes	No
8.	Is the action located in one of the designated Significant Maritime and Industrial Areas (SMIA): South Bronx, Newtown Creek, Brooklyn Navy Yard, Red Hook, Sunset Park, or Staten Island? (2)		X
9.	Are there any waterfront structures, such as piers, docks, bulkheads or wharves, located on the project sites? (2)		X
10.	Would the action involve the siting or construction of a facility essential to the generation or transmission of energy, or a natural gas facility, or would it develop new energy resources? (2.1)	X	
11.	Does the action involve the siting of a working waterfront use outside of a SMIA? (2.2)		X
12.	Does the proposed project involve infrastructure improvement, such as construction or repair of piers, docks, or bulkheads? (2.3, 3.2)		X
13.	Would the action involve mining, dredging, or dredge disposal, or placement of dredged or fill materials in coastal waters? (2.3, 3.1, 4, 5.3, 6.3)		X
14.	Would the action be located in a commercial or recreational boating center, such as City Island, Sheepshead Bay or Great Kills or an area devoted to water-dependent transportation? (3)		X
15.	Would the proposed project have an adverse effect upon the land or water uses within a commercial or recreation boating center or water-dependent transportation center? (3.1)		X
16.	Would the proposed project create any conflicts between commercial and recreational boating? (3.2)		X
17.	Does the proposed project involve any boating activity that would have an impact on the aquatic environment or surrounding land and water uses? (3.3)		X
18.	Is the action located in one of the designated Special Natural Waterfront Areas (SNWA): Long Island Sound-East River, Jamaica Bay, or Northwest Staten Island? (4 and 9.2)		X
19.	Is the project site in or adjacent to a Significant Coastal Fish and Wildlife Habitats? (4.1)	X	
20.	Is the site located within or adjacent to a Recognized Ecological Complex: South Shore of Staten Island or Riverdale Natural Area District? (4.1and 9.2)		X
21.	Would the action involve any activity in or near a tidal or freshwater wetland? (4.2)	X	
22.	Does the project site contain a rare ecological community or would the proposed project affect a vulnerable plant, fish, or wildlife species? (4.3)		X
23.	Would the action have any effects on commercial or recreational use of fish resources? (4.4)		X
24.	Would the proposed project in any way affect the water quality classification of nearby waters or be unable to be consistent with that classification? (5)		X
25.	Would the action result in any direct or indirect discharges, including toxins, hazardous substances, or other pollutants, effluent, or waste, into any waterbody? (5.1)		X
26.	Would the action result in the draining of stormwater runoff or sewer overflows into coastal waters? (5.1)		X
27.	Will any activity associated with the project generate nonpoint source pollution? (5.2)		X

Policy Questions cont'd:		Yes	No
28.	Would the action cause violations of the National or State air quality standards? (5.2)		X
29.	Would the action result in significant amounts of acid rain precursors (nitrates and sulfates)? (5.2C)		X
30.	Will the project involve the excavation or placing of fill in or near navigable waters, marshes, estuaries, tidal marshes or other wetlands? (5.3)		X
31.	Would the proposed action have any effects on surface or ground water supplies? (5.4)		X
32.	Would the action result in any activities within a Federally designated flood hazard area or State designated erosion hazards area? (6)		X
33.	Would the action result in any construction activities that would lead to erosion? (6)		X
34.	Would the action involve construction or reconstruction of flood or erosion control structure? (6.1)		X
35.	Would the action involve any new or increased activity on or near any beach, dune, barrier island, or bluff? (6.1)		X
36.	Does the proposed project involve use of public funds for flood prevention or erosion control? (6.2)		X
37.	Would the proposed project affect a non-renewable source of sand? (6.3)		X
38.	Would the action result in shipping, handling, or storing of solid wastes; hazardous materials, or other pollutants? (7)		X
39.	Would the action affect any sites that have been used as landfills? (7.1)	X	
40.	Would the action result in development of a site that may contain contamination or has a history of underground fuel tanks, oil spills, or other form or petroleum product use or storage? (7.2)	X	
41.	Will the proposed activity result in any transport, storage, treatment, or disposal of solid wastes or hazardous materials, or the siting of a solid or hazardous waste facility? (7.3)		X
42.	Would the action result in a reduction of existing or required access to or along coastal waters, public access areas, or public parks or open spaces? (8)		X
43.	Will the proposed project affect or be located in, on, or adjacent to any federal, state, or city park or other land in public ownership protected for open space preservation? (8)		X
44.	Would the action result in the provision of open space without the provision for its maintenance? (8.1)		X
45.	Would the action result in any development along the shoreline but NOT include new water enhanced or water dependent recreational space? (8.2)	X	
46.	Will the proposed project impede visual access to coastal lands, waters and open space? (8.3)		X
47.	Does the proposed project involve publically owned or acquired land that could accommodate waterfront open space or recreation? (8.4)		X
48.	Does the project site involve lands or waters held in public trust by the state or city? (8.5)		X

Policy Questions cont'd:		Yes	No
49.	Would the action affect natural or built resources that contribute to the scenic quality of a coastal area? (9)		X
50.	Does the site currently include elements that degrade the area's scenic quality or block views to the water? (9.1)		X
51.	Would the proposed action have a significant adverse impact on historic, archeological, or cultural resources? (10)		X
52.	Will the proposed activity affect or be located in, on, or adjacent to an historic resource listed on the National or State Register of Historic Places, or designated as a landmark by the City of New York? (10)		X

D. CERTIFICATION

The applicant must certify that the proposed activity is consistent with New York City's Waterfront Revitalization Program, pursuant to the New York State Coastal Management Program. If this certification cannot be made, the proposed activity shall not be undertaken. If the certification can be made, complete this section.

"The proposed activity complies with New York State's Coastal Management Program as expressed in New York City's approved Local Waterfront Revitalization Program, pursuant to New York State's Coastal Management Program, and will be conducted in a manner consistent with such program."

Applicant/Agent Name: **John Kahabka, Vice President Environment, Health and Safety**

Address: **New York Power Authority, 123 Main Street, White Plains, NY 10601**

Telephone: **(914) 681-6308**

Applicant/Agent Signature: _____ Date: April 7, 2010